HT-BE1/SA-WBE1/SS-BE1

SERVICE MANUAL

Ver. 1.3 2005. 05

US Model
Canadian Model
AEP Model
UK Model
E Model



SA-WBE1 SS-BE1

The HT-BE1 system consists of one unit of SA-WBE1 and five units of SS-BE1.

This system incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 6 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 19 watts per channel minimum RMS power, with no more than 10 % total harmonic distortion from 220 milliwatts to rated output.

SA-WBE1 (subwoofer)

Max. output	
Subwoofer:	30 W (6 ohms)
Front:	15 W + 15 W (6 ohms)
Center*:	15 W
Rear*:	15 W + 15 W

** Depending on the sound field settings and the source, there may be no sound output.*

Speaker system	Bass reflex type
Speaker unit	130 mm (5 1/8 inches) dia. cone type
Dimensions (approx.)	215 × 271 × 302 mm (8 1/2 × 10 3/4 × 12 inches) (w/h/d, not including the projecting parts)
Mass (approx.)	
US, CND model:	6.3 kg (13 lb 15 oz)
AEP, UK, SP, MY model:	6.4 kg (14 lb 2 oz)

SS-BE1 (satellite speakers)

Speaker system	Closed box type
Speaker unit	50 mm (2 inches) dia. cone type
Rated impedance	6 ohms
Dimensions (approx.)	61 × 82 × 65.5 mm (2 1/2 × 3 1/4 × 2 5/8 inches) (w/h/d)
Mass (approx.)	175 g (7 oz)

General

Power requirements	
US, CND, MX model:	120 V AC, 60 Hz
AEP, UK model:	230 V AC, 50/60 Hz
SP, MY model:	220-240 V AC, 50/60 Hz
Power consumption	
US model:	60 W 1.0 W (at the Power Saving Mode)
CND, MX model:	75 W 1.0 W (at the Power Saving Mode)
AEP, UK, SP, MY model:	45 W 0.3 W (at the Power Saving Mode)
Operating temperature	5°C to 35°C (41°F to 95°F)
Operating humidity	5 % to 90 %
Supplied accessories	Speaker cords (3 m (10 ft) × 3, 8 m (26 ft) × 2) Optical digital cord (1) (US, CND, SP, MY model) Coaxial digital cord (1) (AEP, UK model) Remote commander (remote) RM-BE1 (1) Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.

- Abbreviation
  CND : Canadian model
  SP : Singapore model
  MY : Malaysia model
  MX : Mexican model

HOME THEATER SYSTEM

9-874-031-04
2005E04-1

Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes).
Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

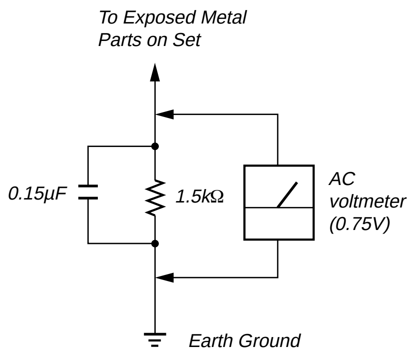


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

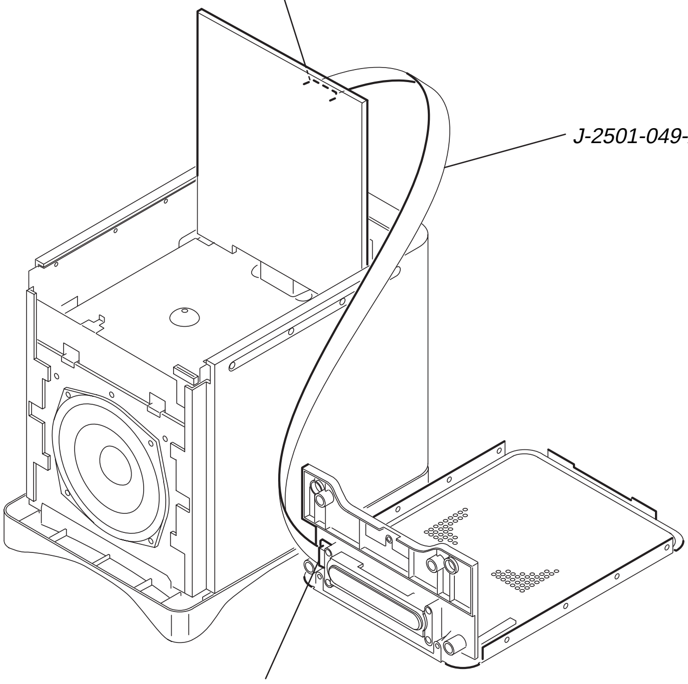
TABLE OF CONTENTS

SECTION 1
SERVICING NOTE

1-1. EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connecting the jig (extension cable) as shown below.

• Connect the MAIN board (CN801) and the DISPLAY board (CN701) with the extension cable (Part No. J-2501-049-A).



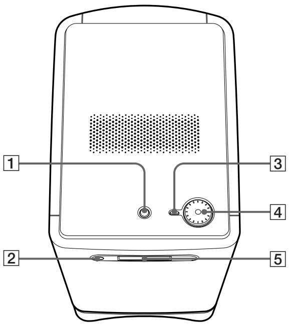
SECTION 2
GENERAL

This section is extracted from instruction manual.

Index to Parts and Controls

Refer to the pages indicated in parentheses for details.

Subwoofer



Top panel/Front panel

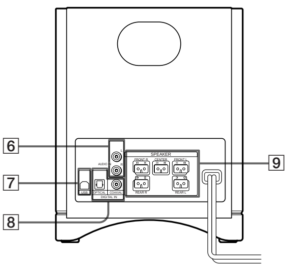
1 I/⏻ (POWER) switch and indicator (15, 23)
Turns on and off the power of the system.

2 remote sensor (5, 25)
Accepts the remote control signals.

3 MENU/ENTER (15, 16, 17, 19, 20, 23)
Displays the menu on the display window. To executes the settings, press this button again.

4 VOL/SELECT knob (15, 16, 17, 19, 20, 23)
Adjust the volume and select settings.

5 Display window (13, 15, 17)
Indicates the speaker setting, input signal, sound field mode, etc.



Rear panel

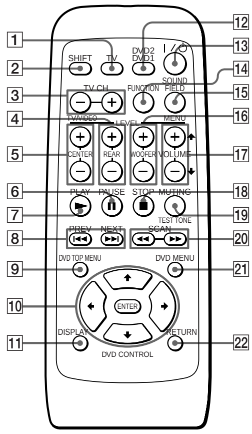
6 AUDIO IN L/R jacks (11)
Connect to the audio output of a TV, VCR, etc.

7 USB jack (11)
Connect to the PC.

8 DIGITAL IN OPTICAL/COAXIAL jacks (10)
Connect to the DIGITAL OUT (OPTICAL) jack of the DVD player, etc.

9 SPEAKER jacks (7)
Connect to the supplied satellite speakers.

Remote



1 TV button (22)
Turns the TV on and off.

2 SHIFT button (13, 16, 19, 20, 22, 23)
Switches the function of the buttons on the remote.

3 TV CH +/– (TV/VIDEO) buttons (22)
Changes the TV channel.
To change the TV input, press – while pressing SHIFT.

4 REAR +/– buttons (16)
Adjust the rear speakers volume.

5 CENTER +/– buttons (16)
Adjust the center speaker volume.

6 ❚❚PAUSE button (21)
Pauses playing a disc.

7 ▶PLAY button (21)
Plays a disc.

8 ❙◀◀/▶▶❙PREV/NEXT buttons (21)
Press to go to the next chapter or track, or to go back to the previous chapter or track.

9 DVD TOP MENU button (21)
Displays the title menu on the TV screen.

10 ←/↑/↓/→/ENTER button (21)
Selects and executes the items or settings.

11 DISPLAY button (21)
Displays the setup display of the DVD player.

12 DVD 1/DVD 2 button (21)
Turns on and off the power of the DVD player.

13 I/⏻ (POWER) switch (13, 15)
Turns on and off the system.

14 FUNCTION button (15)
Selects the input signal.

15 SOUND FIELD (MENU) button (13, 17, 19, 20, 23)
Selects the sound field mode.
Pressing this button while pressing SHIFT will select the menu.

16 WOOFER +/– buttons (16)
Adjust the subwoofer volume.

17 VOLUME +/– buttons (13, 15, 19, 20, 23)
Make the speaker settings or adjust the volume of the system.
Pressing this button while pressing SHIFT will set the speaker setup parameters.

18 ■STOP button (21)
Stops playing a disc.

19 MUTING (TEST TONE) button (15, 16)
Mutes the sound.
Pressing this button while pressing SHIFT will sound the test tone.

20 ◀◀/▶▶ (SCAN) buttons (21)
Locate a point while monitoring the picture.

21 DVD MENU button (21)
Displays the DVD menu on the TV screen.

22 RETURN button (21)
Returns to the previously selected screen.

continued

SECTION 3
DISASSEMBLY

• The equipment can be removed using the following procedure.

SET

↓

3-1. TOP CHASSIS ASSY (Page 5)

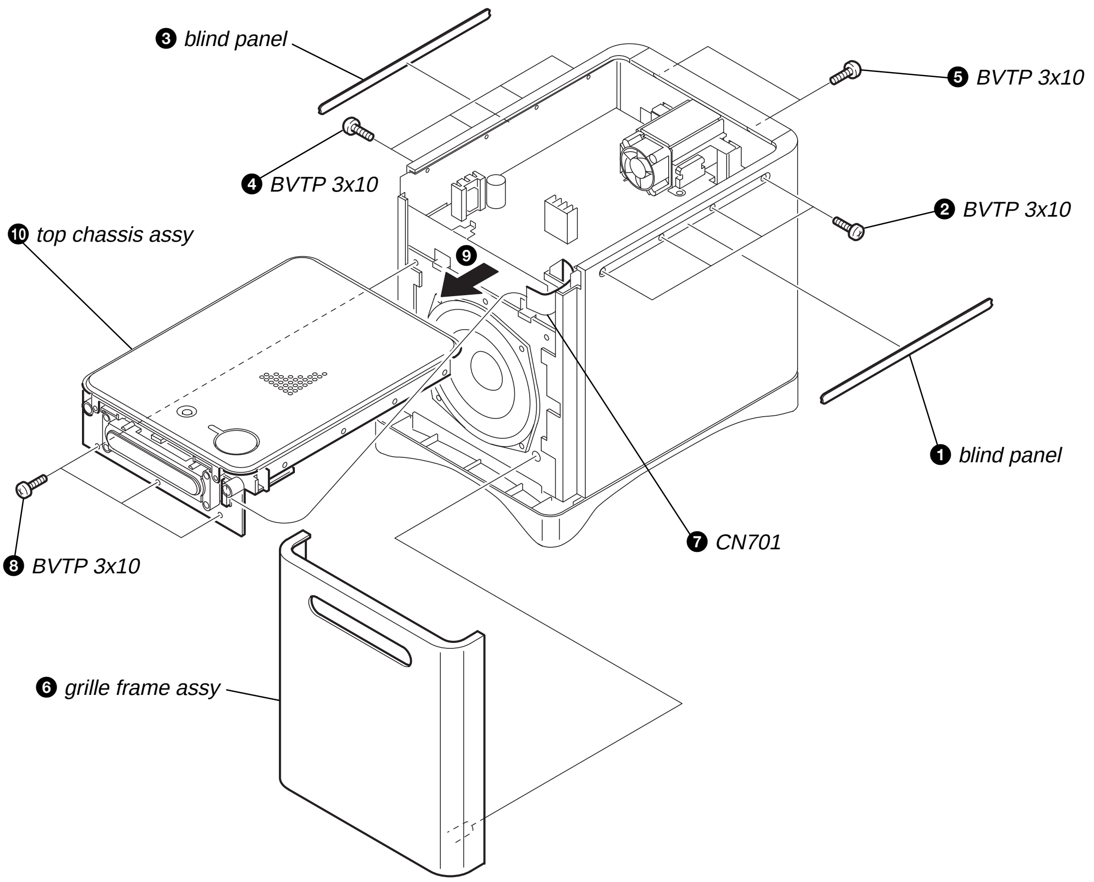
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3-3. REAR PANEL ASSY (Page 6) → *3-4. MAIN BOARD (Page 7)*

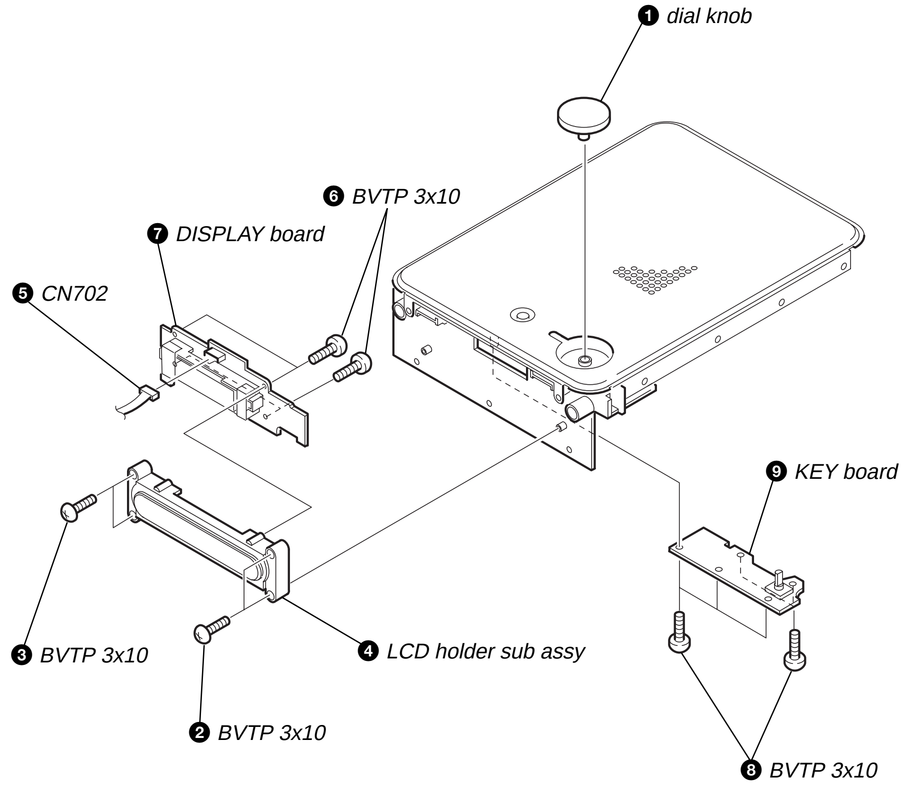
3-2. DISPLAY BOARD, KEY BOARD (Page 6)

Note : Follow the disassembly procedure in the numerical order given.

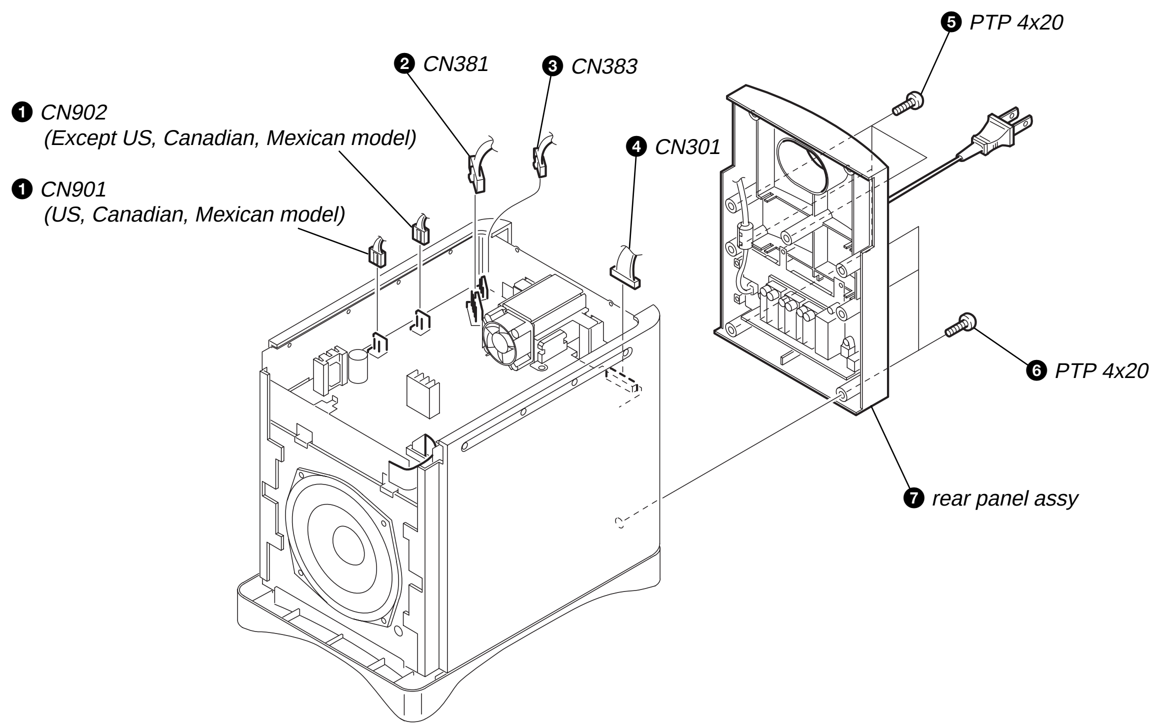
3-1. TOP CHASSIS ASSY



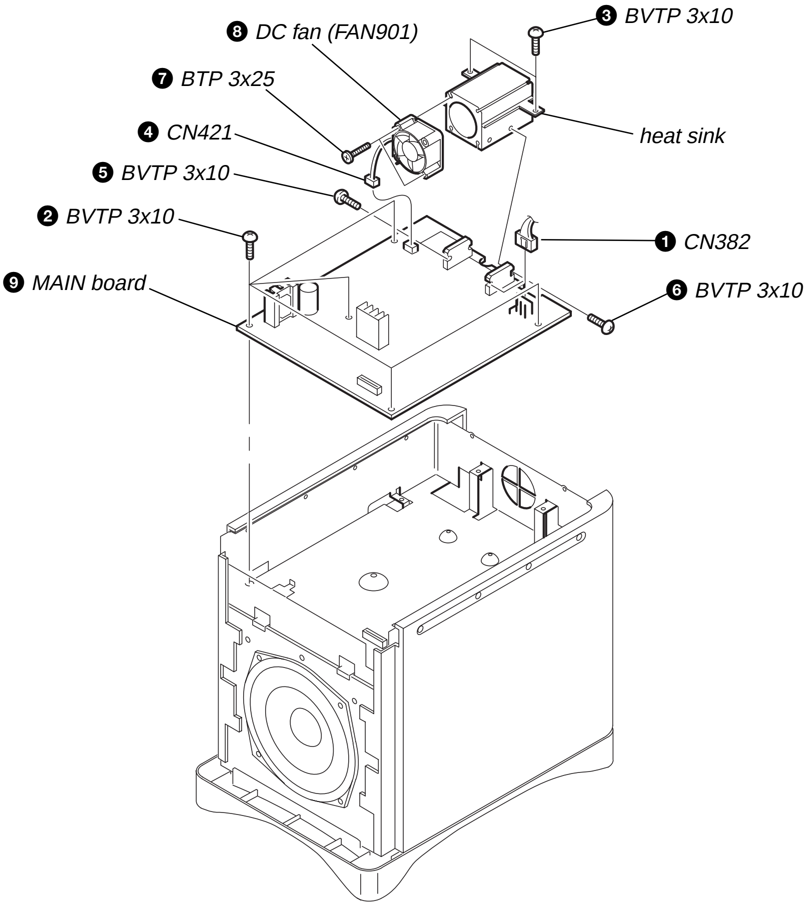
3-2. DISPLAY BOARD, KEY BOARD



3-3. REAR PANEL ASSY



3-4. MAIN BOARD



SECTION 4
DIAGRAMS

4-1. IC PIN DESCRIPTIONS

• IC801 µPD703033A (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Pin Description
1	LRSY	I	CD L/R clock input
1	CO-DI	O	Data output for MAC.
2	CO-CLK	O	Clock output for MAC.
3	U L/OTHER H	I	Destination setting input (L: US, Canadian, Mexican model, H: Except US, Canadian, Mexican model)
4	USB L/OTHER H	I	USB setting input (Fixed at L)
5	NC	—	Not used. (Open)
6	DSP-DO	O	Serial data output for DSP.
7	DIG-DI	I	Serial data input from DSP.
8	DIG-CLK	O	Clock output for DSP.
9	EVDD	—	Power supply pin (+3.3 V)
10	EVSS	—	Ground
11	DSP-RST	O	Reset signal output for DSP. (L: active)
12	DSP-PM	O	PLL initialization output for DSP.
13	DSP-CS	O	Chip select output for DSP.
14	DSP-HACN	I	Acknowledge signal input from DSP.
15	DSP-BST	O	Boot stop signal output for DSP.
16	DSP-GP9	I	Decode signal input from DSP.
17	DSP-PLOCK	I	Internal PLL lock signal input from DSP.
18	DIR-ERR	I	PLL lock signal input from DIR.
19	DIR-CE	O	Chip enable signal output for DIR.
20	DIR-XST	I	Reset signal input from DIR.
21	VPP	—	Programming power supply pin
22	DIR-AD	O	Serial data output for DIR.
23	DIR-XMODE	I	System reset signal input from DIR.
24	DIRDO	I	Serial data input from DIR.
25, 26	NC	—	Not used. (Open)
27	MUTE-FL,FR	O	Amplifier mute (FL, FR) output
28	MUTE-SL,SR,C	O	Amplifier mute (SL, SR, C) output
29	MUTE-SW	O	Amplifier mute (SW) output
30 to 33	NC	—	Not used. (Open)
34	RESET	I	µ-com reset signal input
35	XT1	I	Not used. (Fixed at L)
36	XT2	O	Not used. (Open)
37	NC	—	Not used. (Connected to capacitor)
38	X2	O	Main clock signal output (16 MHz)
39	X1	I	Main clock signal input (16 MHz)
40	VSS	—	Ground
41	VDD	—	Power supply pin (+5 V)
42, 43	NC	—	Not used. (Open)
44	AMP-MUTE	O	Amplifier mute output
45	NC	—	Not used. (Open)
46	P-CONT	I	Power control signal input
47 to 50	NC	—	Not used. (Open)
51	DISC	I	Not used. (Fixed at L)
52	NC	—	Not used. (Open)
53	LCD-CLK	O	Clock output for LCD driver.
54	LCD-DATA	O	Serial data output for LCD driver.
55	LCD-CS	O	Chip select output for LCD driver.
56	LCD-C/D	O	Latch output for LCD driver.
57	LED-CLR	—	Not used. (Open)

Pin No.	Pin Name	I/O	Pin Description
58	BVDD	—	Power supply pin (+3.3 V)
59	BVSS	—	Ground
60, 61	NC	—	Not used. (Open)
62	READY-H	O	Power supply (ready) output
63	$\overline{\text{USB-PLYSCK}}$	I	USB play/idle decision input
64 to 66	NC	—	Not used. (Open)
67	USB-H	O	USB/analog select output
68	VOL-STB	O	Latch output for volume control.
69	VOL-CLK	O	Clock output output for volume control.
70	VOL-DATA	O	Data output for volume control.
71	NC	—	Not used. (Open)
72	READY-H	O	Ready LED ON/OFF control output (ready mode: red LED light on)
73	NC	—	Not used. (Open)
74	AVDD	—	Analog power supply pin (+5 V)
75	AVSS	—	Analog ground
76	AVREF	—	Analog reference voltage pin (+5 V)
77 to 80	NC	—	Not used. (Fixed at H)
81	AUDIO DEC	I	Auto power ON/OFF level check input
82	KEY1	I	Key AD value input
83	ENA	I	Encoder A input
84	ENB	I	Encoder B input
85	DIGITAL DEC	I	Level decision input from DIR.
86 to 88	NC	—	Not used. (Fixed at H)
89	NC	—	Not used. (Open)
90	STOP	I	Stop mode check signal input
91	SIRCS	I	SIRCS signal input
92	RDS-DATA	I	Not used. (Open)
93	P-WAKE	I	Interruption signal input from STOP mode.
94 to 96	NC	—	Not used. (Open)
97	IN	I	μ-com programming serial in input
98	CO-S/MUTE	O	Soft mute control output for MAC.
99	$\overline{\text{CO-PD}}$	O	Soft reset control output for MAC
100	$\overline{\text{CO-CS}}$	O	Chip select output for MAC.

• IC802 CXD9617R (DSP)

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground
2	XRST	I	Reset signal input from system controller.
3	EXTIN	I	Not used. (Connected to ground)
4	FS2	I	Not used. (Connected to ground)
5	VDDI	I	Power supply pin (+2.4 V)
6	FS1	I	Not used. (Connected to ground)
7	PLOCK	O	Internal PLL lock signal output for system controller.
8	VSS	—	Ground
9	MCLK1	I	Clock signal input (13.5 MHz)
10	VDDI	I	Power supply pin (+2.4 V)
11	VSS	—	Ground
12	MCLK2	O	Clock signal output (13.5 MHz)
13	MS	I	Switching signal input of master/slave operation. (Fixed at L : internal clock)
14	SCKOUT	O	Internal system clock signal output
15	LRCKI1	I	Not used. (open)
16	VDDE	I	Power supply pin (+3.3 V)
17	BCKI1	I	Not used. (open)
18	SDI1	I	Audio IF data input
19	LRCKO	O	Sampling clock output for digital audio serial data
20	BCKO	O	Bit clock output for digital audio serial data
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output
23 to 25	SDO1 to SDO3	O	Digital audio serial data output
26	SDO4	O	Audio IF serial output (Not used. (open))
27	SPDIF	O	Not used. (open)
28	LRCKI2	I	Sampling clock input from audio serial data.
29	BCKI2	I	Bit clock input from audio serial data.
30	SDI2	I	Digital audio data input
31	VSS	—	Ground
32	HACN	O	Acknowledge signal output for system controller.
33	HDIN	I	Serial data input from system controller.
34	HCLK	I	Clock input from system controller.
35	HDOUT	O	Serial data output for system controller.
36	HCS	I	Chip select input from system controller.
37	SDCLK	O	Not used. (open)
38	CLKEN	O	Not used. (open)
39	RAS	O	Not used. (open)
40	VDDI	I	Power supply pin (+2.4 V)
41	VSS	—	Ground
42	CAS	O	Not used. (open)
43	DQM/OE0	O	Not used. (open)
44	CS0	O	External memory chip select output (SRAM) (Not used. (open))
45	WE0	O	SRAM write enable output (Not used. (open))
46	VDDE	I	Power supply pin (+3.3 V)
47	WMD1	I	Not used. (Fixed at L)
48	VSS	—	Ground
49	WMD0	I	Not used. (Fixed at L)
50	PAGE2	O	Not used. (open)
51	VSS	—	Ground
52	PAGE1	O	External memory page switching signal output (Not used. (open))
53	PAGE0	O	External memory page switching signal output (Not used. (open))
54	BOOT	I	Not used. (open)

Pin No.	Pin Name	I/O	Pin Description
55	BTACT	O	Not used. (open)
56	BST	I	Boot stop signal input from system controller.
57	MOD1	I	Operation mode signal input (Fixed at H : 256fs)
58	MOD0	I	Operation mode signal input (Fixed at L : single chip mode)
59	EXLOCK	I	Lock signal input
60	VDDI	I	Power supply pin (+2.4 V)
61	VSS	—	Ground
62 to 66	A17 to A13	O	External memory address output (SRAM) (Not used. (open))
67	GP10	O	Connected to LRCKO
68	GP9	O	Decode signal output for system controller.
69	GP8	I	Audio signal input from DIR.
70	VDDI	I	Power supply pin (+2.4 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output (general port) (Not used. (open))
76	VDDE	I	Power supply pin (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output (general port) (Not used. (open))
81	VSS	—	Ground
82	A9	O	External memory address output (SRAM) (Not used. (open))
83 to 85	A12 to A10	O	External memory address output (SRAM) (Not used. (open))
86	TDO	O	Not used. (open)
87	TMS	I	Not used. (open)
88	XTRST	I	Not used. (open)
89	TCK	I	Not used. (open)
90	TDI	I	Not used. (open)
91	VSS	—	Ground
92 to 97	A8 to A3	O	External memory address output (SRAM) (Not used. (open))
98, 99	D7, D6	I/O	External memory data input/output (SRAM) (Not used. (open))
100	VDDI	I	Power supply pin (+2.4 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	External memory data input/output (SRAM) (Not used. (open))
106	VDDE	I	Power supply pin (+3.3 V)
107, 108	D1, D0	I/O	External memory data input/output (SRAM) (Not used. (open))
109, 110	A2, A1	O	External memory address output (SRAM) (Not used. (open))
111	VSS	—	Ground
112	A0	O	External memory address output (SRAM) (Not used. (open))
113	PM	I	PLL initialization input from system controller.
114, 115	SDI3, SDI4	I	Not used. (open)
116	SYNC	I	Sync/async selection input (Fixed at H : async)
117 to 119	VSS	—	Ground
120	VDDI	I	Power supply pin (+2.4 V)

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- : B+ Line.
- Voltage is dc with respect to ground under no-signal (detuned) condition.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : LINE
  - : DIGITAL AUDIO (OPTICAL)
  - : DIGITAL AUDIO (COAXIAL)
- Abbreviation
  - CND : Canadian model.
  - SP : Singapore model.
  - MY : Malaysia model.
  - MX : Mexican model.
- ( ) : Page of Service Manual.
  (( )) : Page of Supplement-1.

Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : Pattern from the side which enables seeing.
- Abbreviation
  - CND : Canadian model.
  - SP : Singapore model.
  - MY : Malaysia model.
  - MX : Mexican model.
- ( ) : Page of Service Manual.
  (( )) : Page of Supplement-1.

• Waveforms

① 1V/div 50nsec/div



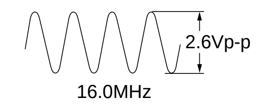
IC501 ㉘ (XT0)

② 1V/div 50nsec/div



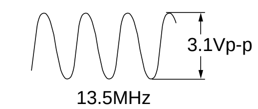
IC803 ㉑ (XOUT)

③ 1V/div 20nsec/div



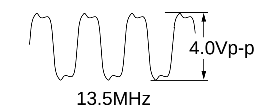
IC801 ㊳ (X2)

④ 1V/div 50nsec/div



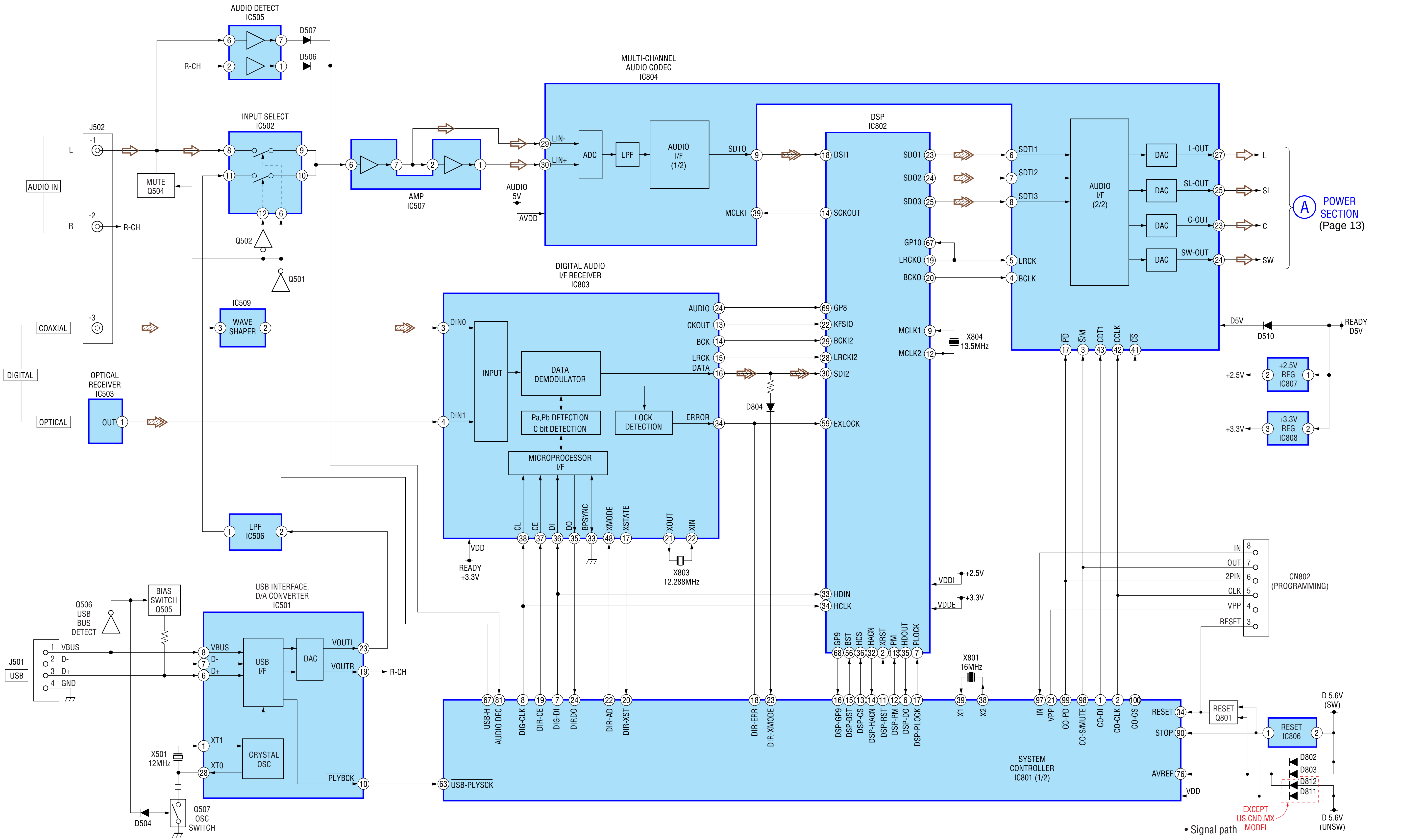
IC802 ⑫ (MCLK2)

⑤ 1V/div 50nsec/div



IC802 ⑭ (SCKOUT)

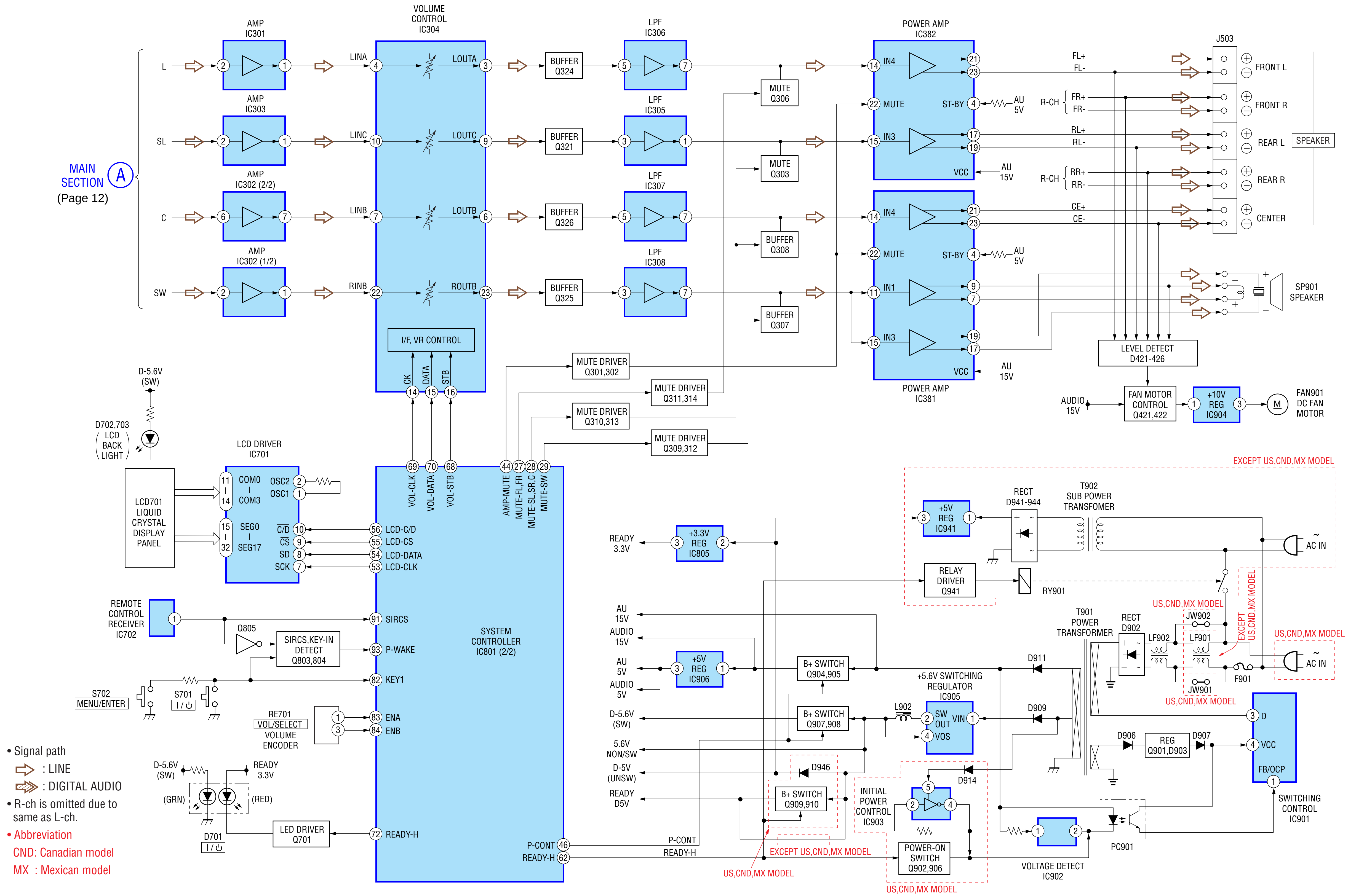
4-2. BLOCK DIAGRAM — MAIN SECTION —



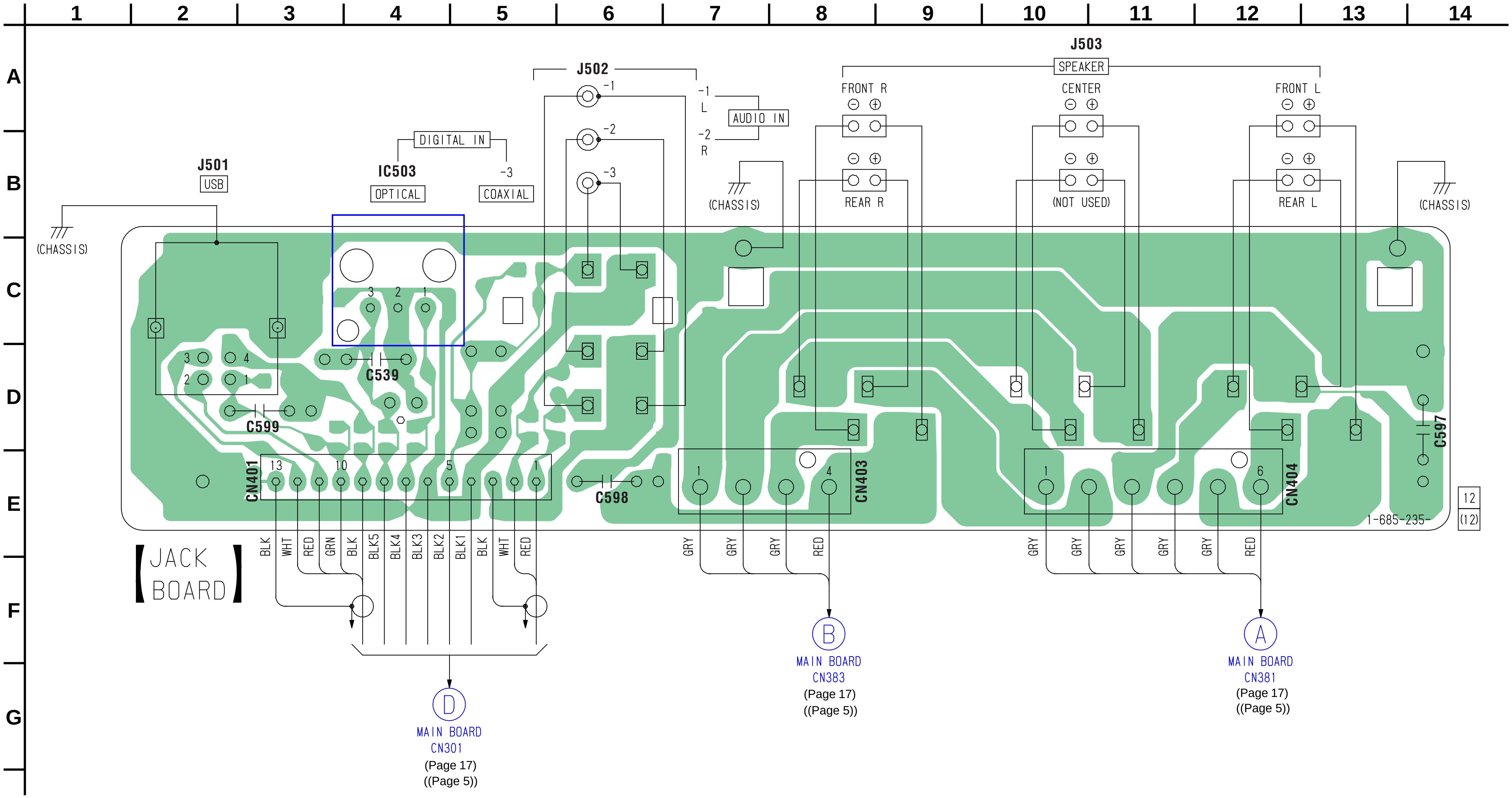
- Signal path
  - : LINE
  - : DIGITAL AUDIO (COAXIAL)
  - : DIGITAL AUDIO (OPTICAL)
- R-ch is omitted due to same as L-ch.
- Abbreviation

CND: Canadian model
MX : Mexican model

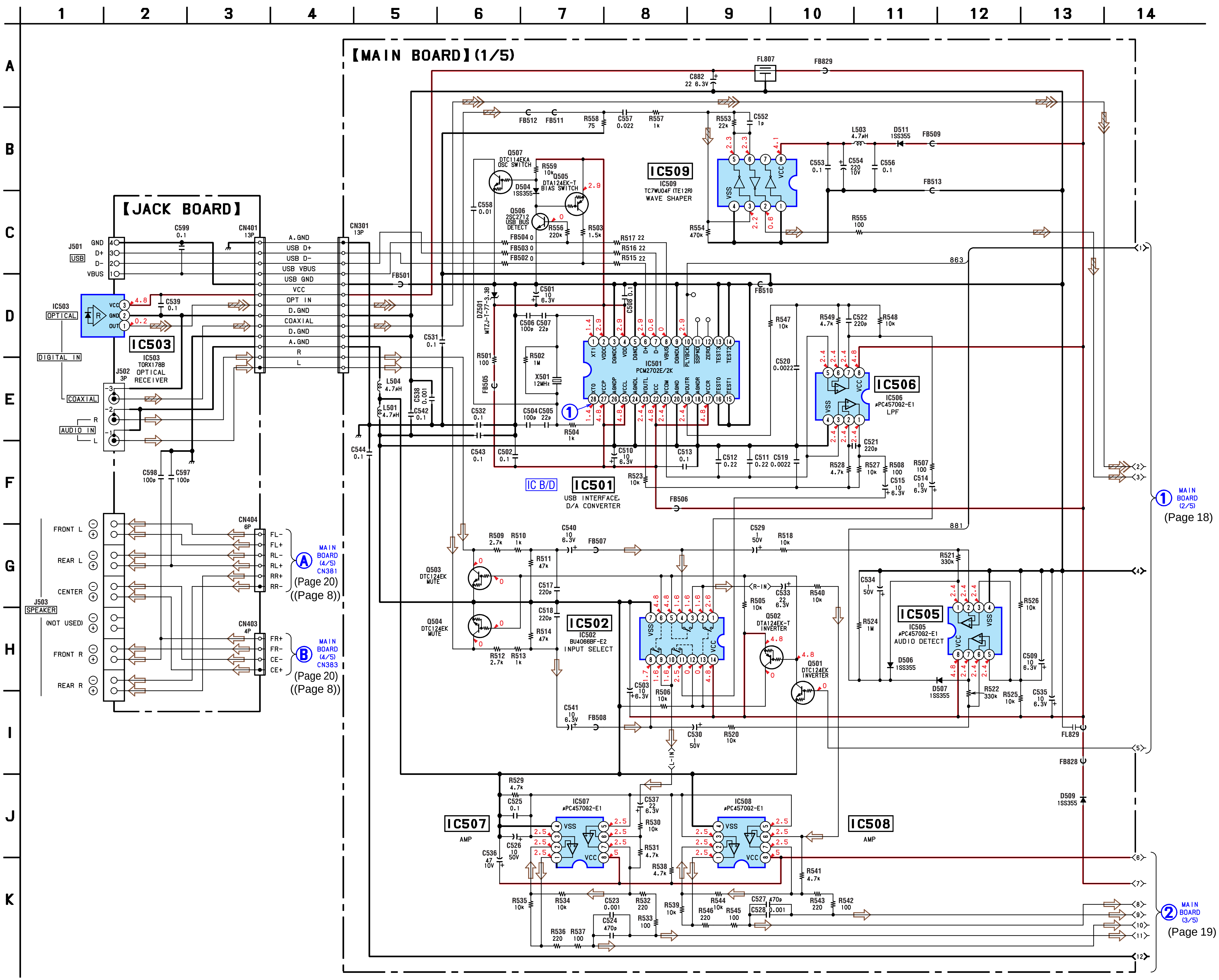
4-3. BLOCK DIAGRAM — POWER SECTION —



4-4. PRINTED WIRING BOARD — JACK SECTION — • Refer to page 11 for Note on Printed Wiring Boards.



4-5. SCHEMATIC DIAGRAM — JACK/MAIN (1/5) SECTION — • Refer to page 11 for Note on Schematic Diagram and Waveforms, and page 25 for IC Block Diagrams.



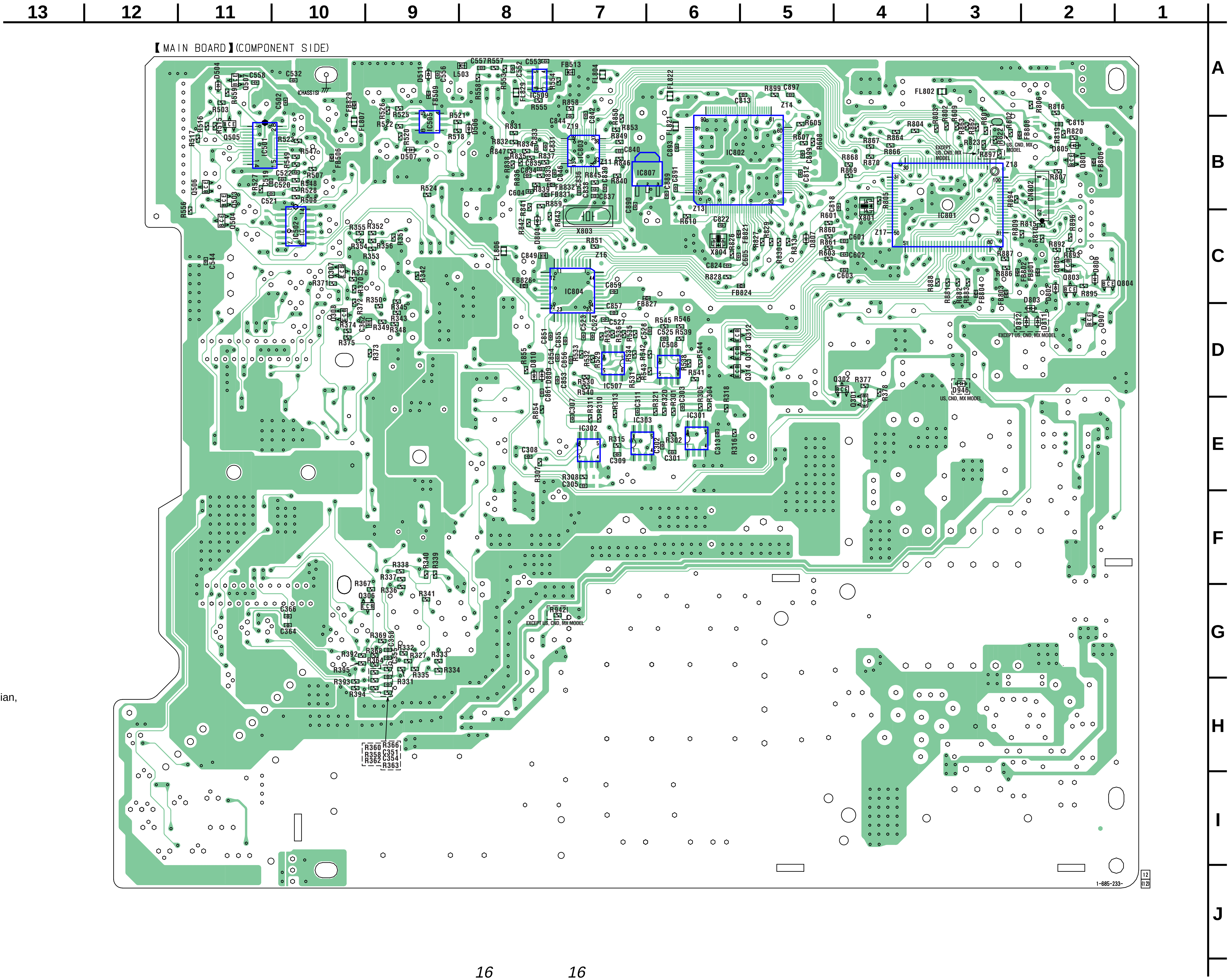
4-6. PRINTED WIRING BOARD — MAIN SECTION — • Refer to page 11 for Note on Printed Wiring Boards.

• **Semiconductor Location (Component side)**

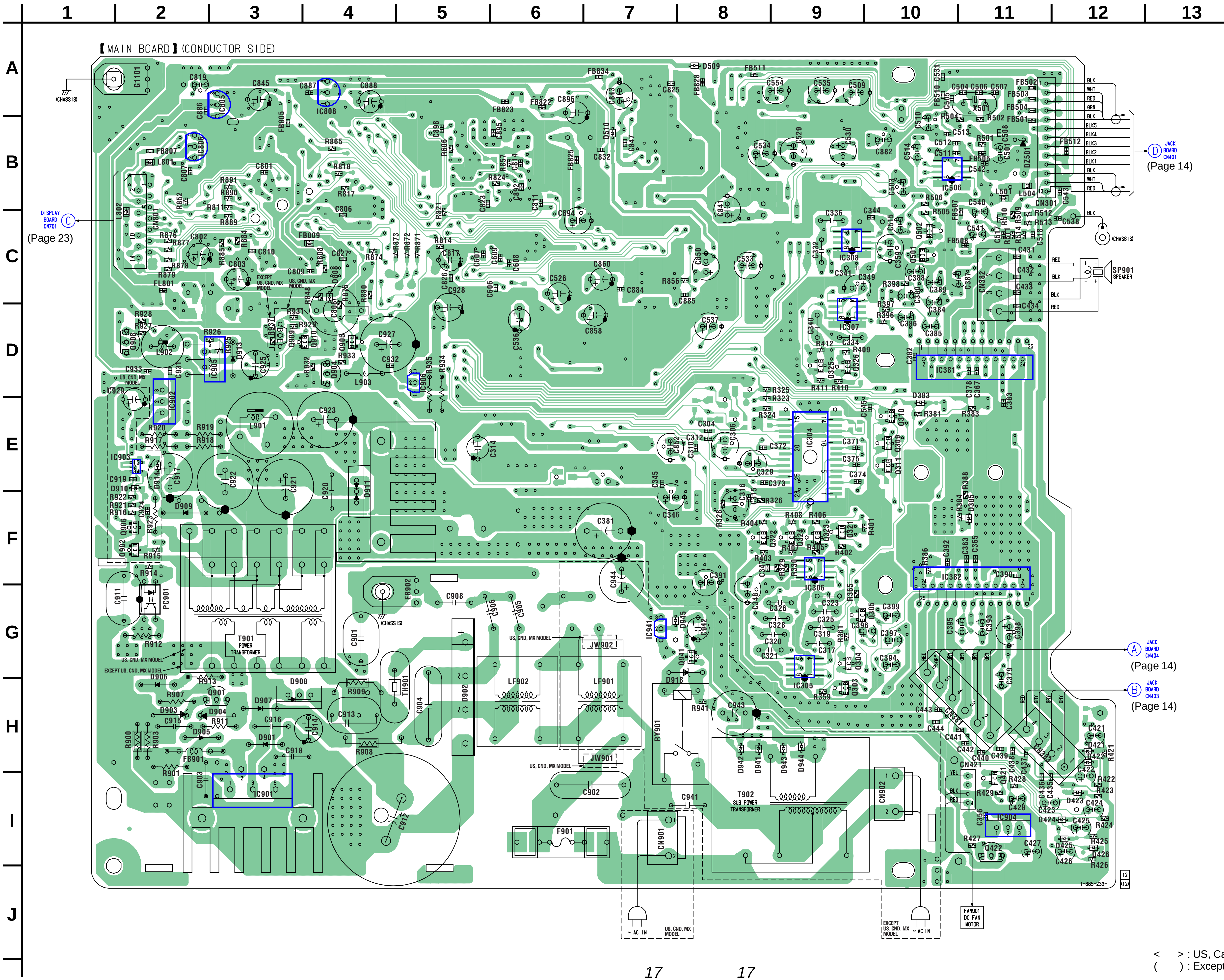
Ref. No.	Location
D504	A-11
D506	B-8
D507	B-9
D511	A-9
D802	C-2
D803	D-2
D804	C-8
D805	B-2
D806	C-2
D807	C-5
D809	D-8
D810	D-8
(D811)	D-2
(D812)	D-3
<D946>	D-3
IC301	E-6
IC302	E-7
IC303	E-7
IC501	B-11
IC502	C-10
IC505	B-9
IC507	D-7
IC508	D-6
IC509	A-8
IC801	C-3
IC802	B-6
IC803	B-7
IC804	C-7
IC807	B-7
Q301	E-4
Q302	D-4
Q306	G-9
Q307	C-10
Q308	D-10
Q312	D-6
Q313	D-6
Q314	D-6
Q503	B-11
Q504	C-11
Q505	B-11
Q506	B-11
Q507	A-11
Q801	B-2
Q803	C-2
Q804	C-2
Q805	C-2
Q907	D-2

( ) : Except US, Canadian, Mexican model
< > : US, Canadian, Mexican model

【MAIN BOARD】(COMPONENT SIDE)



• Refer to page 11 for Note on Printed Wiring Boards.

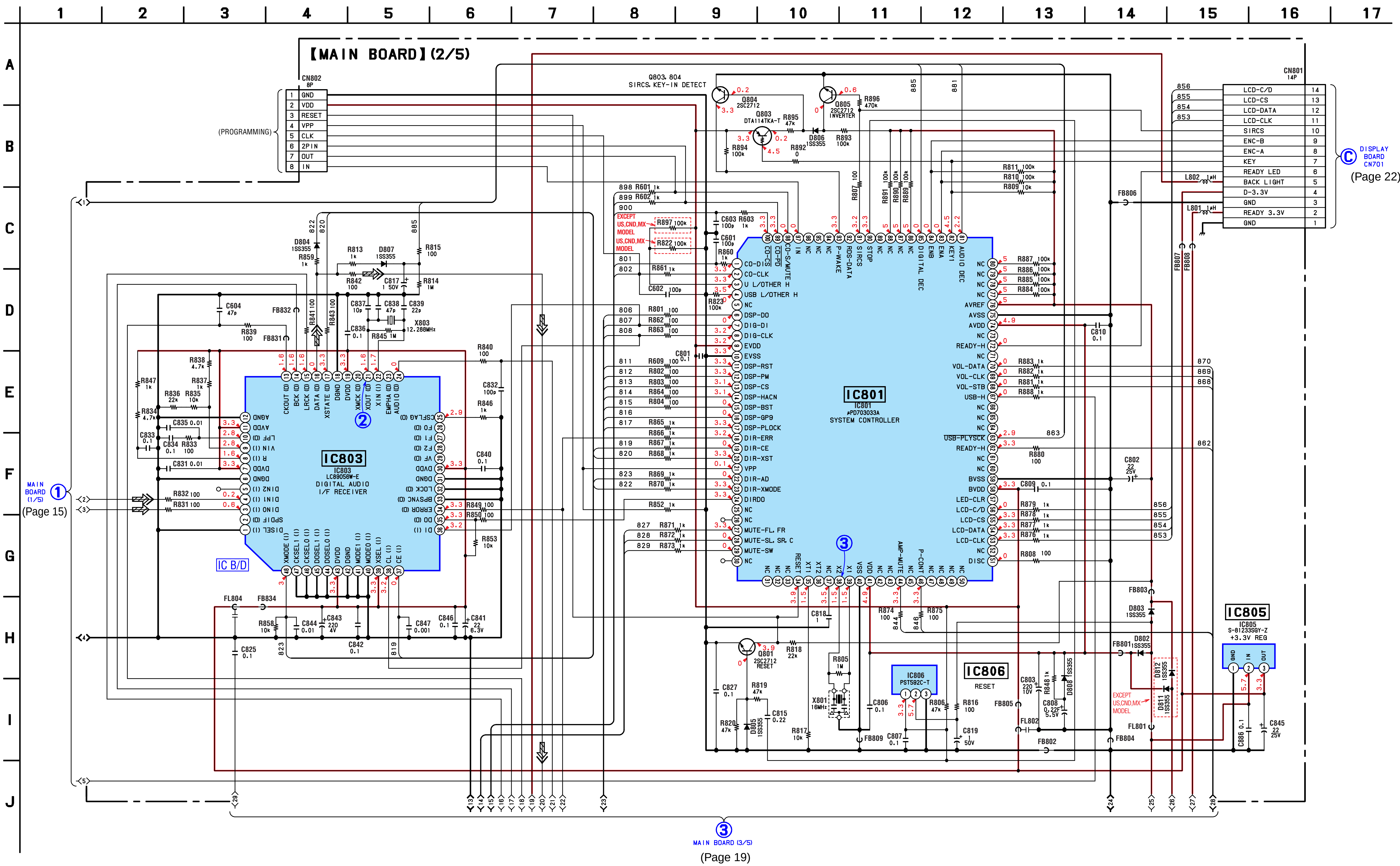


• Semiconductor Location (Conductor side)

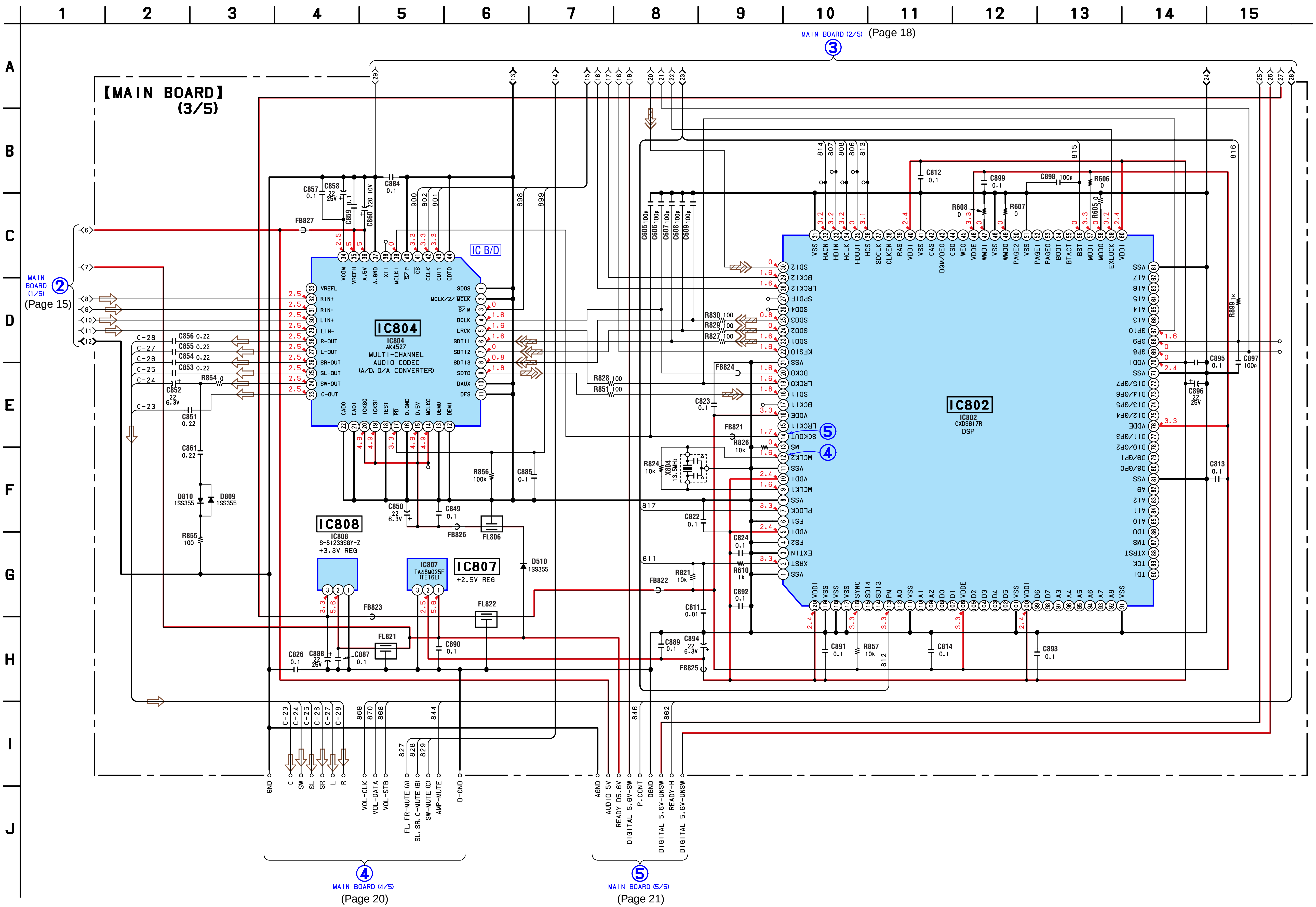
Ref. No.	Location
D383	E-10
D385	F-11
D421	H-12
D422	H-12
D423	I-12
D424	I-12
D425	I-12
D426	I-12
D509	A-8
D510	B-7
D808	C-4
D901	H-3
D902	H-5
D903	H-2
D904	H-3
D905	H-2
D906	H-2
D907	H-3
D908	H-3
D909	F-2
<D910>	E-2
D911	F-4
D913	D-3
<D914>	E-2
(D918)	G-8
(D941)	H-8
(D942)	H-8
(D943)	H-9
(D944)	H-9
(D945)	G-8
DZ501	B-11
IC304	E-9
IC305	G-9
IC306	F-9
IC307	D-9
IC308	C-9
IC381	D-10
IC382	F-10
IC506	B-10
IC805	A-3
IC806	B-2
IC808	A-4
IC901	I-3
IC902	E-2
<IC903>	E-2
IC904	I-11
IC905	D-3
IC906	D-5
(IC941)	G-7
PC901	G-2
Q303	H-9
Q304	G-9
Q305	G-10
Q309	E-10
Q310	E-10
Q311	E-10
Q321	F-9
Q322	F-9
Q323	F-9
Q324	F-9
Q325	D-9
Q326	D-9
Q421	I-11
Q422	I-11
Q501	C-10
Q502	C-10
Q901	H-3
<Q902>	F-2
Q904	D-4
Q905	D-4
<Q906>	F-2
Q908	D-2
<Q909>	D-3
<Q910>	D-4
(Q941)	G-8

< > : US, Canadian, Mexican model
( ) : Except US, Canadian, Mexican model

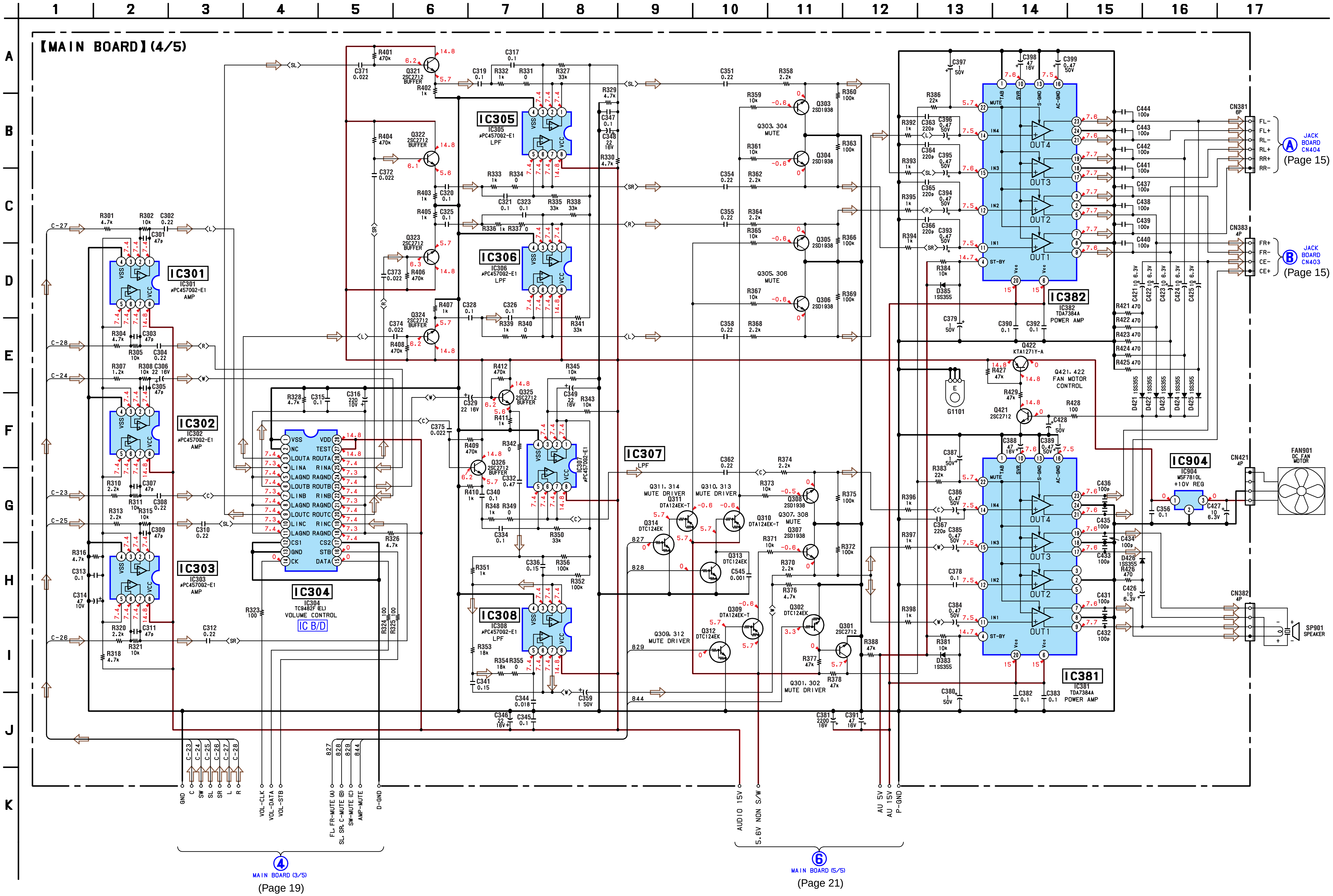
4-7. SCHEMATIC DIAGRAM — MAIN (2/5) SECTION — • Refer to page 11 for Note on Schematic Diagram and Waveforms, and page 25 for IC Block Diagrams.



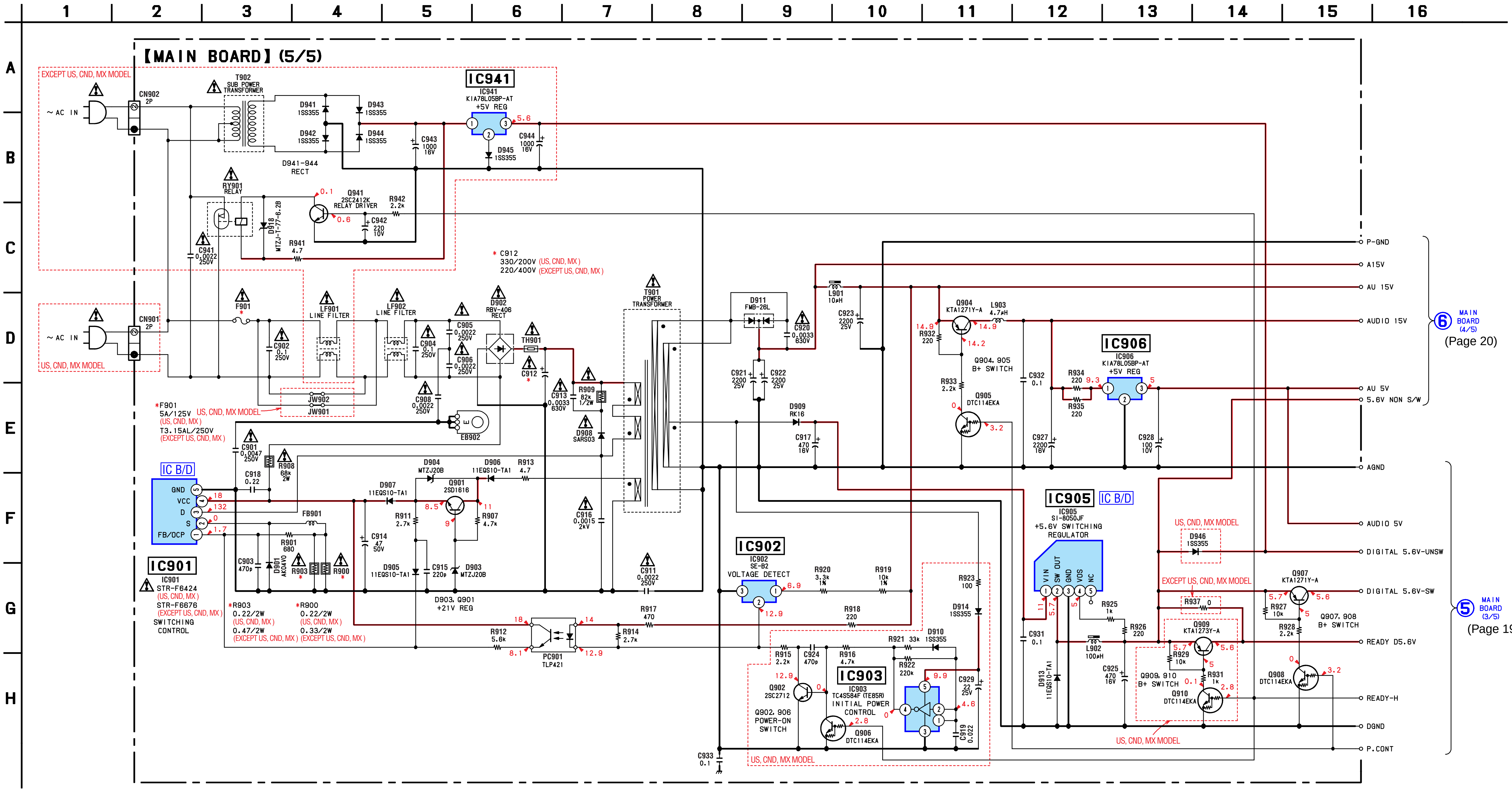
4-8. SCHEMATIC DIAGRAM — MAIN (3/5) SECTION — • Refer to page 11 for Note on Schematic Diagram and Waveforms, and page 26 for IC Block Diagrams.



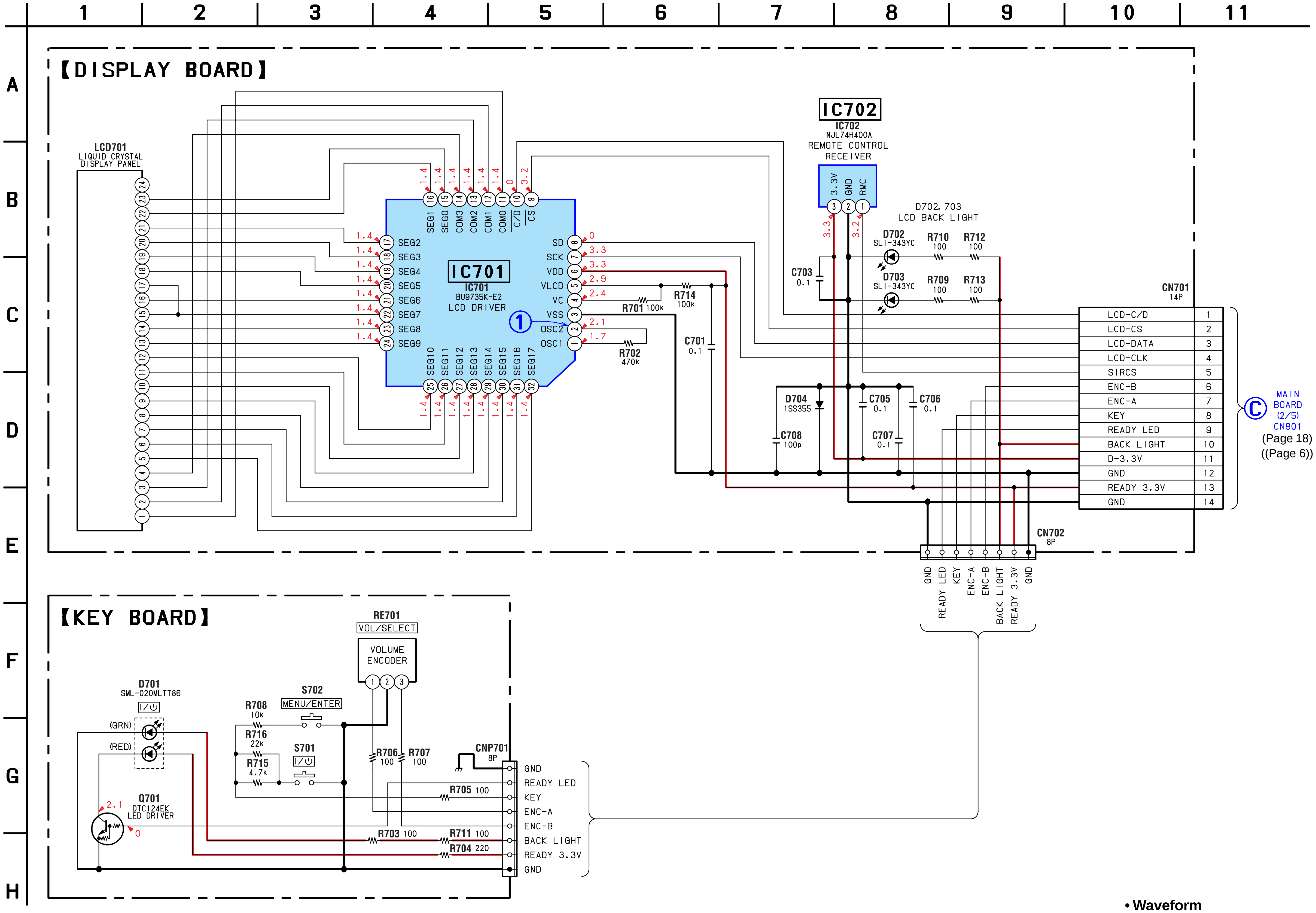
4-9. SCHEMATIC DIAGRAM — MAIN (4/5) SECTION — • Refer to page 11 for Note on Schematic Diagram, and page 26 for IC Block Diagrams.



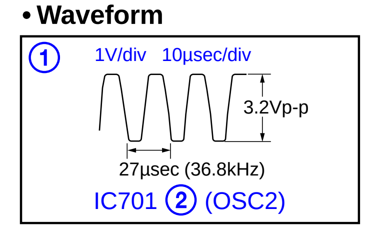
4-10. SCHEMATIC DIAGRAM — MAIN (5/5) SECTION — • Refer to page 11 for Note on Schematic Diagram, and page 27 for IC Block Diagrams.



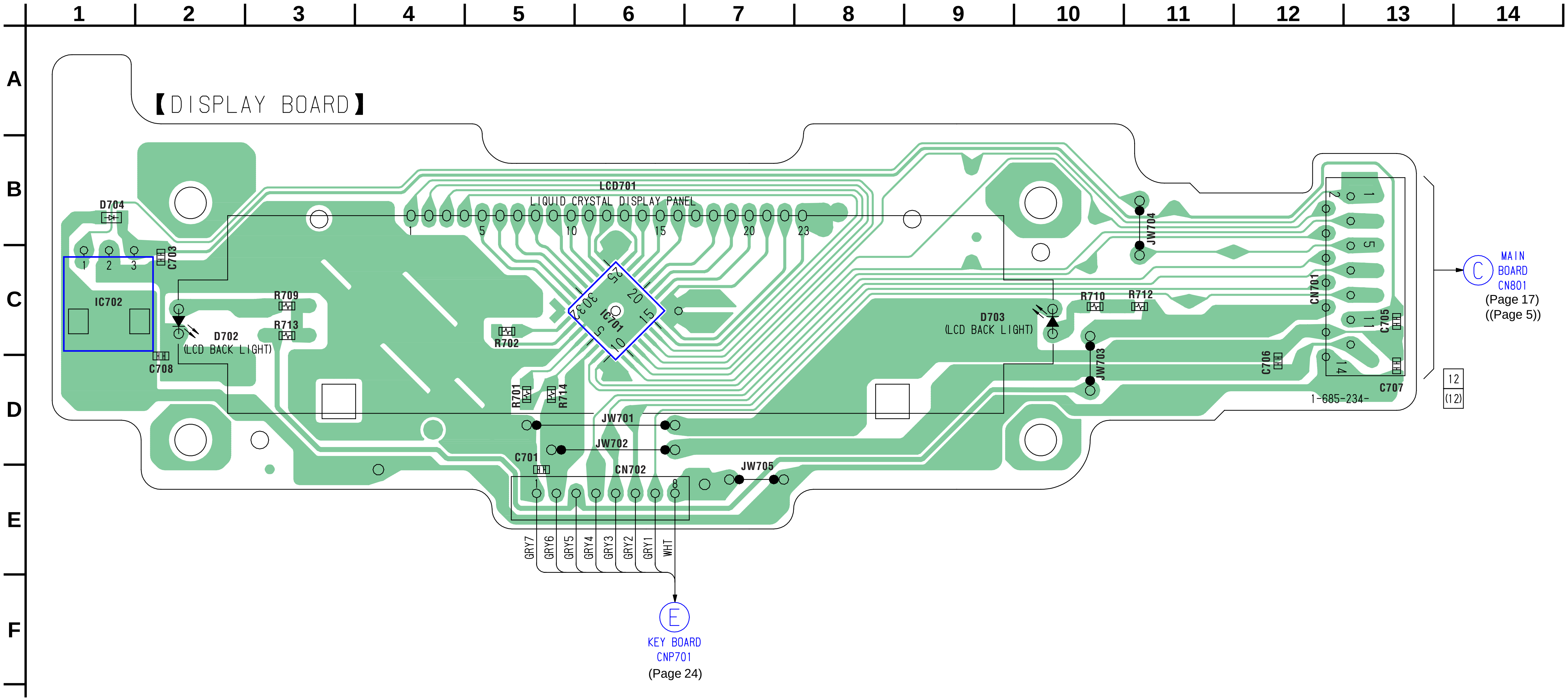
4-11. SCHEMATIC DIAGRAM — DISPLAY/KEY SECTION — • Refer to page 11 for Note on Schematic Diagram.



• Waveform



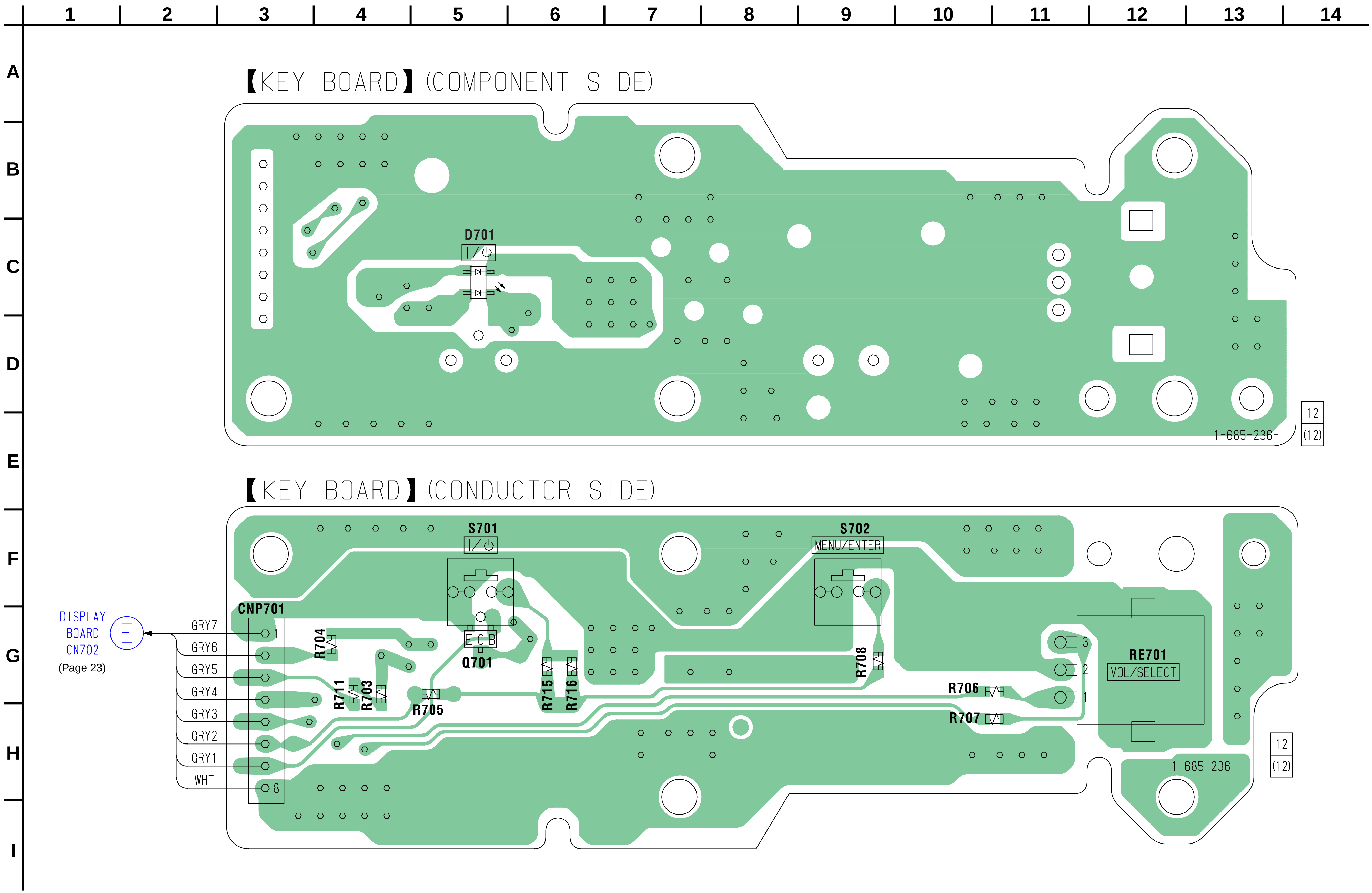
4-12. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 11 for Note on Printed Wiring Boards.



• Semiconductor Location

Ref. No.	Location
D702	C-2
D703	C-10
D704	B-1
IC701	C-6
IC702	C-1

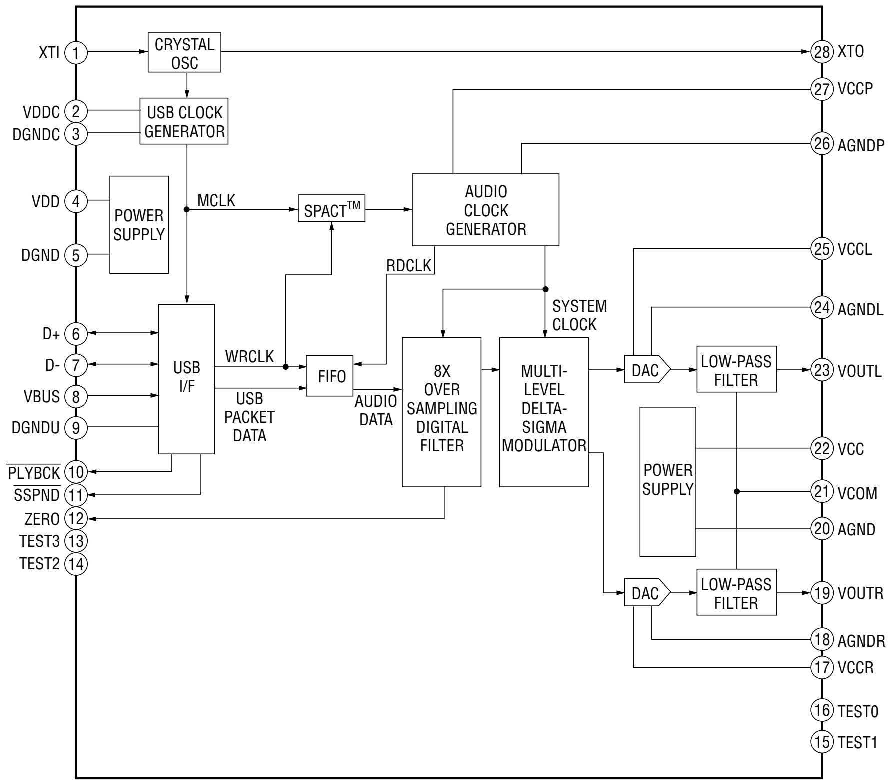
4-13. PRINTED WIRING BOARD — KEY SECTION — • Refer to page 11 for Note on Printed Wiring Boards.



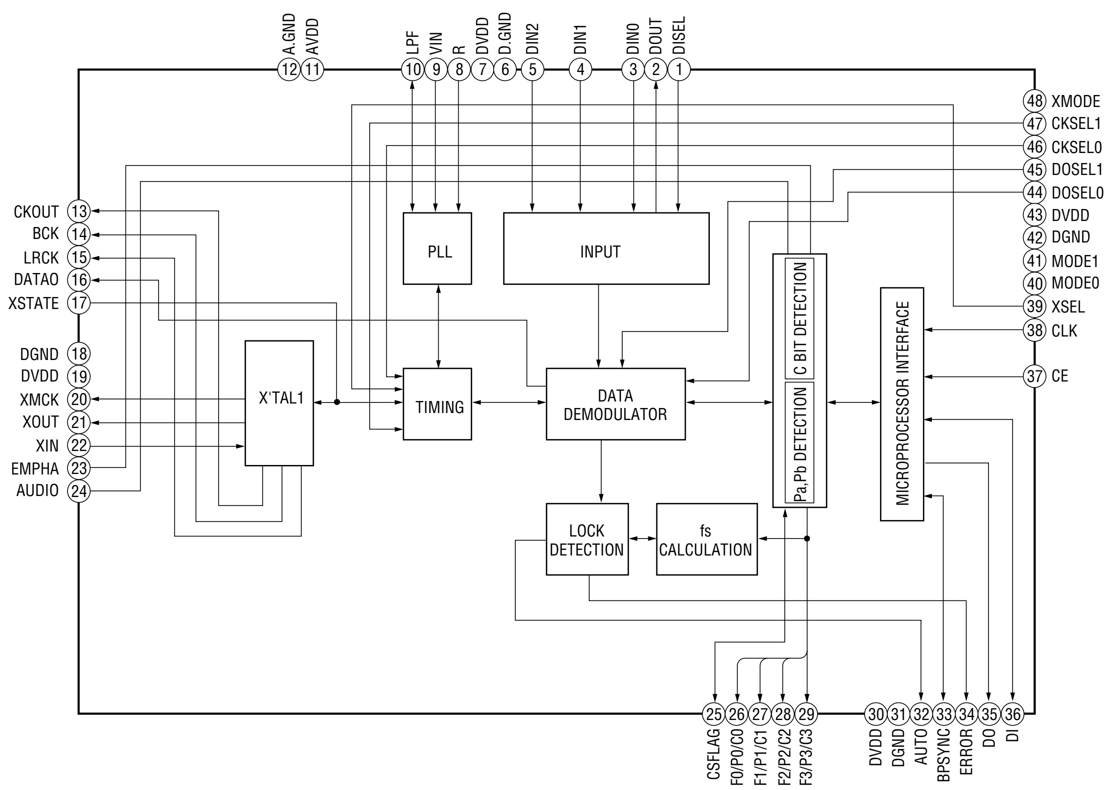
24

4-14. IC BLOCK DIAGRAMS

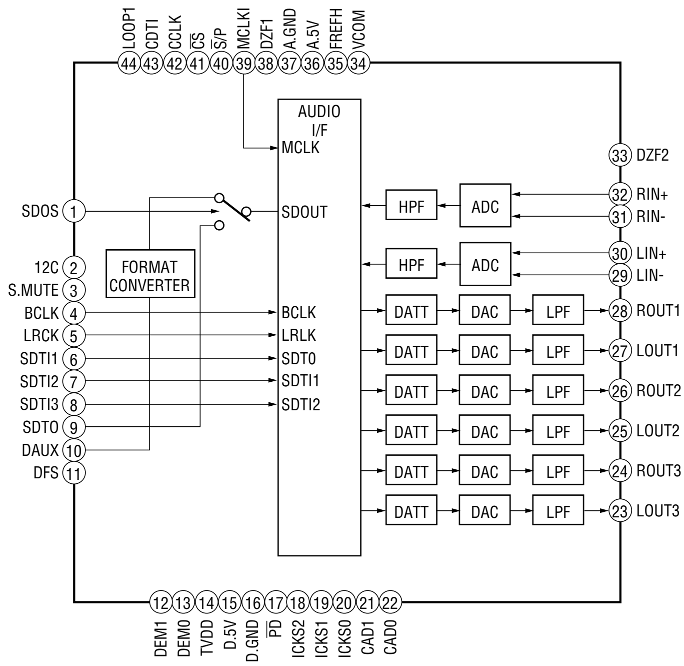
IC501 PCM2702E/2K



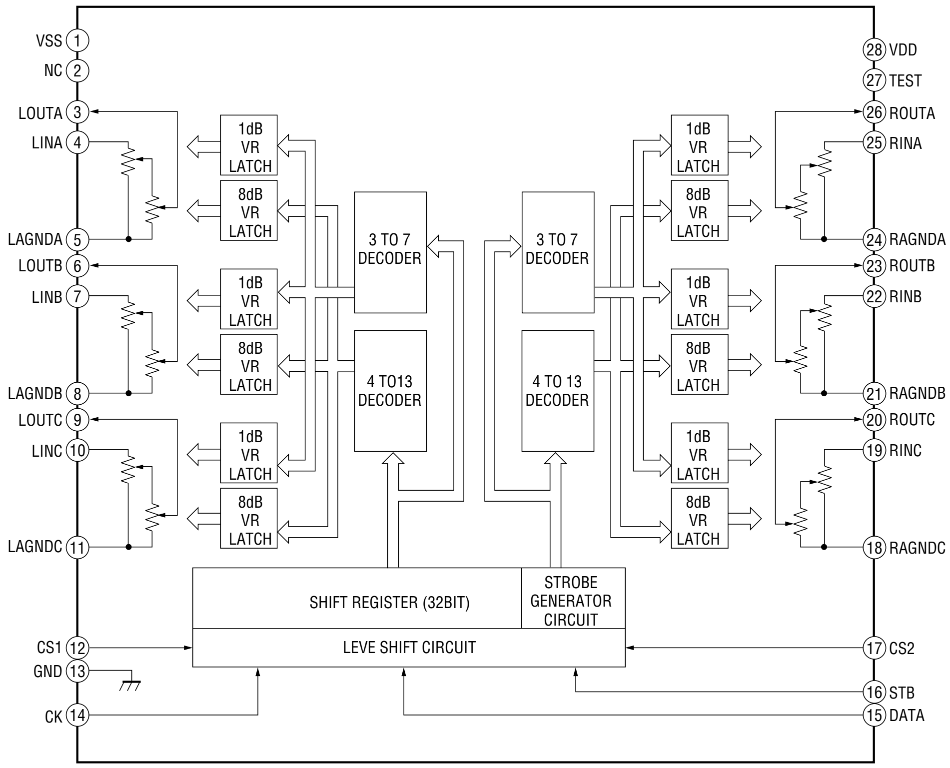
IC803 LC89056W-E



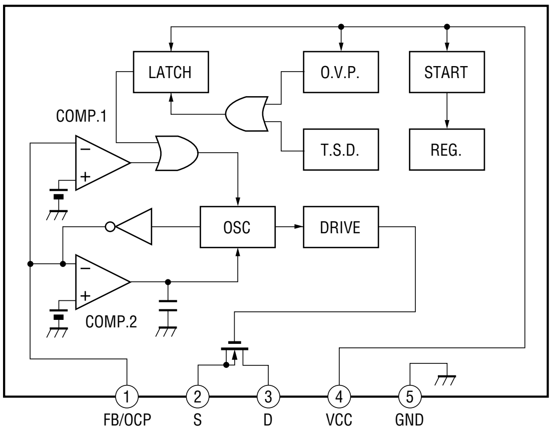
IC804 AK4527



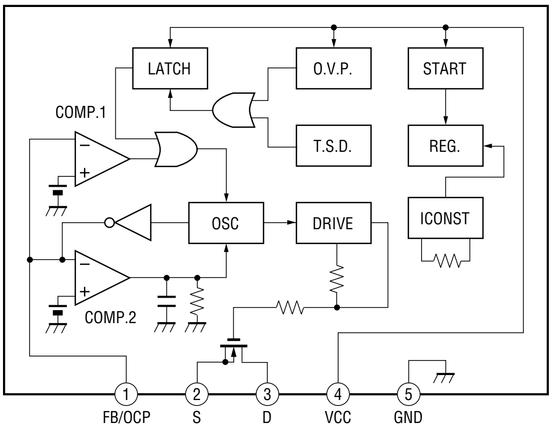
IC304 TC9482F(EL)



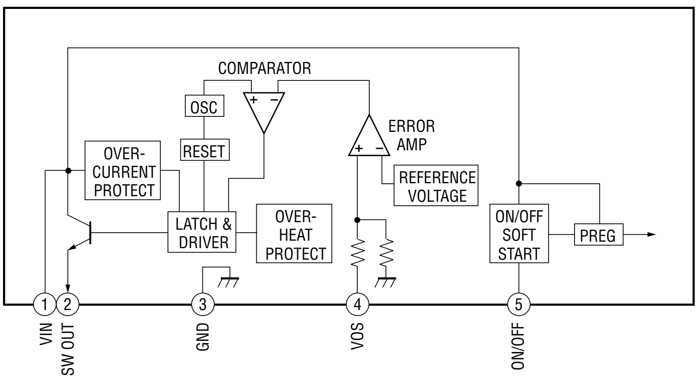
IC901 STR-F6424 (US, Canadian model)



IC901 STR-F6676 (Except US, Canadian model)



IC905 SI-8050JF



SECTION 5
EXPLODED VIEWS

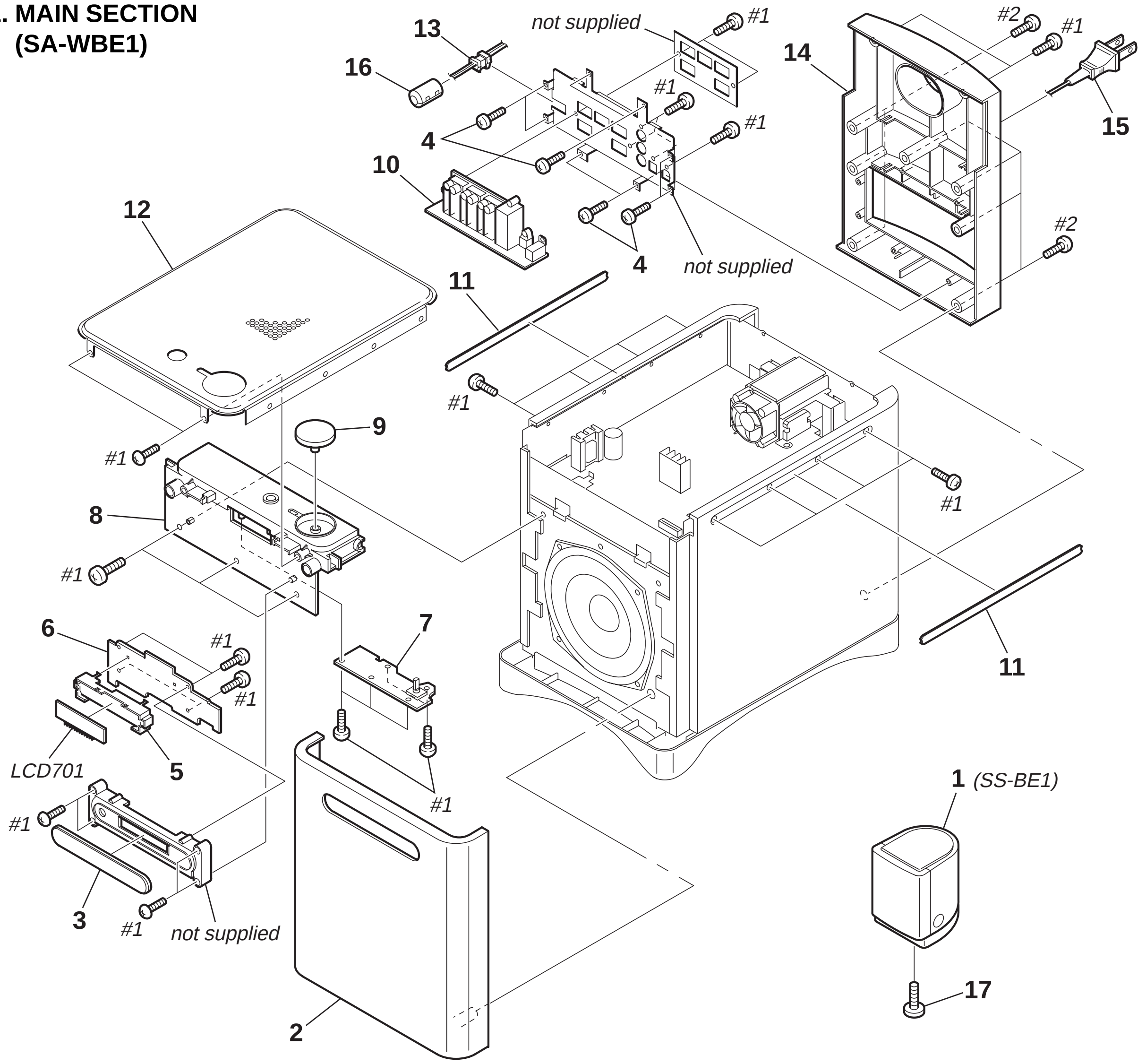
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
  CND : Canadian model
  SP : Singapore model
  MY : Malaysia model
  MX : Mexican model

- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

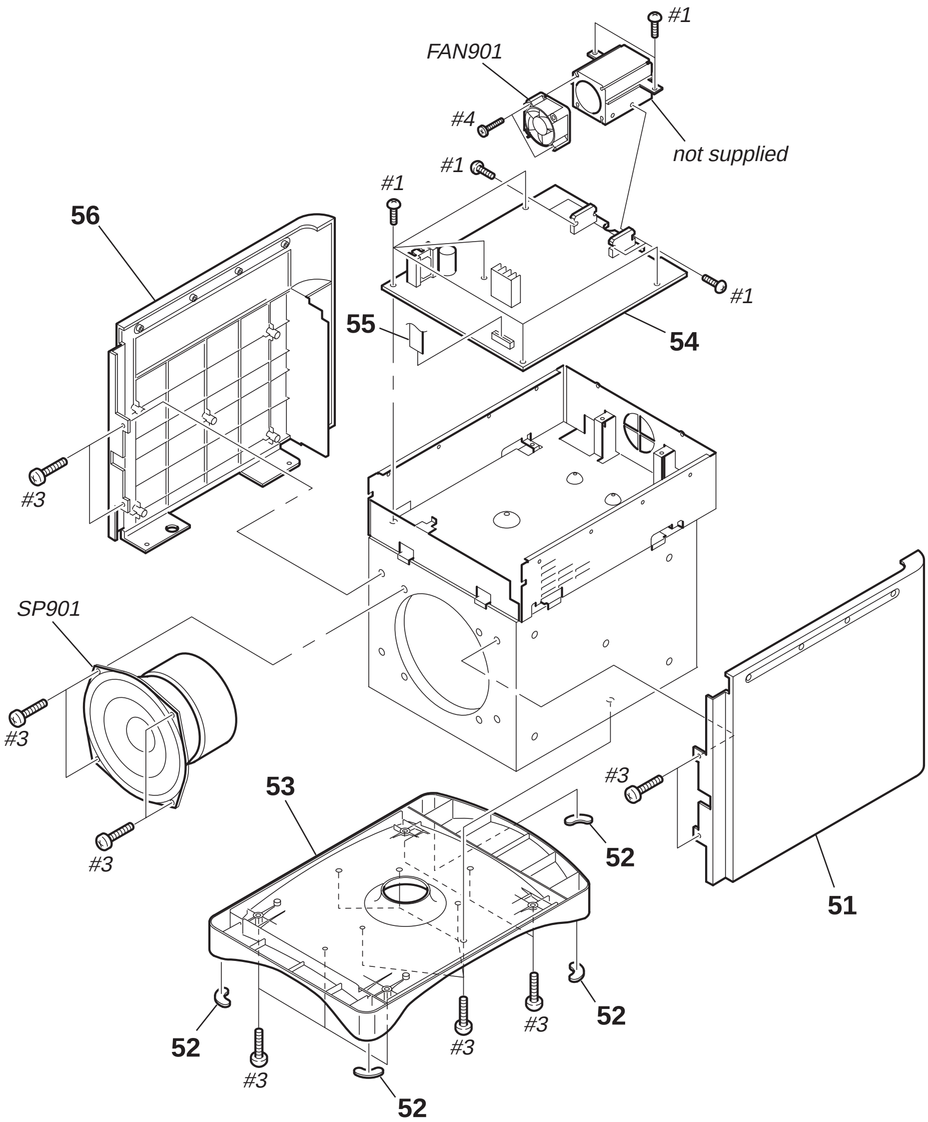
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

5-1. MAIN SECTION (SA-WBE1)



Ref. No.	Part No.	Description	Remark
1	A-4722-830-A	SS-B1 (S) ASSY (EXCEPT US)	
1	A-4722-831-A	SS-B1 (S) ASSY (US)	
2	X-4954-599-1	FRAME ASSY, GRILLE (EXCEPT US)	
2	X-4954-599-2	FRAME ASSY, GRILLE (US)	
3	4-239-467-01	WINDOW, LCD (EXCEPT US)	
3	4-239-467-11	WINDOW, LCD (US)	
4	4-931-757-31	SCREW (DIA.2.6X8) (IT3B), TAPPING	
5	X-4954-886-1	HOLDER SUB ASSY, LCD	
6	1-685-234-12	DISPLAY BOARD	
7	1-685-236-12	KEY BOARD	
8	X-4954-883-1	HOLDER SUB ASSY, BUTTON (EXCEPT US)	
8	X-4954-883-2	HOLDER SUB ASSY, BUTTON (US)	
9	4-239-463-01	KNOB, DIAL (EXCEPT US)	
9	4-239-463-11	KNOB, DIAL (US)	
10	1-685-235-12	JACK BOARD	
11	4-239-476-01	PANEL, BLIND (EXCEPT US)	
11	4-239-476-11	PANEL, BLIND (US)	
12	4-239-470-01	PANEL, TOP (EXCEPT US)	
12	4-239-470-11	PANEL, TOP (US)	
13	4-217-350-11	STOPPER, CORD	
14	4-239-459-01	PANEL, REAR (US,AEP,UK)	
14	4-239-459-21	PANEL, REAR (CND)	
14	4-239-459-41	PANEL, REAR (SP,MY)	
14	4-239-459-51	PANEL, REAR (MX)	
⚠15	1-696-169-21	CORD, POWER (AEP,UK,SP,MY)	
⚠15	1-783-532-11	CORD, POWER (US,CND,MX)	
16	1-500-586-11	FILTER, CLAMP (FERRITE CORE)	
17	4-239-455-02	BOLT FIX	
#1	7-685-647-79	SCREW +P 3X10 TYPE2 NON-SLIT	
#2	7-685-664-79	SCREW +PTP 4X20 TYPE1	

5-2. MAIN BOARD SECTION
(SA-WBE1)



Ref. No.	Part No.	Description	Remark
51	4-239-472-01	PANEL, SIDE (R) (EXCEPT US)	
51	4-239-472-11	PANEL, SIDE (R) (US)	
52	4-240-628-01	FOOT	
53	4-239-465-01	BOTTOM (EXCEPT US)	
53	4-239-465-11	BOTTOM (US)	
54	A-4728-814-A	MAIN BOARD, COMPLETE (US,CND,MX)	
54	A-4728-816-A	MAIN BOARD, COMPLETE (AEP,UK,SP,MY)	
55	1-823-082-11	CABLE, FLEXIBLE FLAT (13 CORE)	

Ref. No.	Part No.	Description	Remark
56	4-239-473-01	PANEL, SIDE (L) (EXCEPT US)	
56	4-239-473-11	PANEL, SIDE (L) (US)	
FAN901	1-763-561-22	FAN, D.C.	
SP901	1-825-144-11	SPEAKER (13cm)	
#1	7-685-647-79	SCREW +P 3X10 TYPE2 NON-SLIT	
#3	7-685-664-79	SCREW +PTP 4X20 TYPE1	
#4	7-685-152-19	SCREW +BTP 3X25 TYPE2 N-S	

DISPLAY **JACK** **KEY**

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Abbreviation
  CND : Canadian model
  SP : Singapore model
  MY : Malaysia model
  MX : Mexican model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA.. : μA.. uPA.. : μPA..
  uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description				Remark
	1-685-234-12	DISPLAY BOARD				
		**************				
		< CAPACITOR >				
C701	1-164-360-11	CERAMIC CHIP	0.1uF			16V
C703	1-164-360-11	CERAMIC CHIP	0.1uF			16V
C705	1-164-360-11	CERAMIC CHIP	0.1uF			16V
C706	1-164-360-11	CERAMIC CHIP	0.1uF			16V
C707	1-164-360-11	CERAMIC CHIP	0.1uF			16V
C708	1-162-927-11	CERAMIC CHIP	100PF	5%		50V
		< CONNECTOR >				
CN701	1-784-736-11	CONNECTOR, FFC 14P				
CN702	1-568-935-11	PIN, CONNECTOR 8P				
		< DIODE >				
D702	6-500-076-01	LED SLI-343YC (LCD BACK LIGHT)				
D703	6-500-076-01	LED SLI-343YC (LCD BACK LIGHT)				
D704	8-719-988-61	DIODE 1SS355TE-17				
		< IC >				
IC701	8-759-573-02	IC BU9735K-E2				
IC702	8-759-826-34	IC NJL74H400A				
		< LIQUID CRYSTAL DISPLAY >				
LCD701	1-804-673-11	DISPLAY PANEL, LIQUID CRYSTAL				
		< RESISTOR >				
R701	1-216-845-11	METAL CHIP	100K	5%		1/10W
R702	1-216-853-11	METAL CHIP	470K	5%		1/10W
R709	1-216-809-11	METAL CHIP	100	5%		1/10W
R710	1-216-809-11	METAL CHIP	100	5%		1/10W
R712	1-216-809-11	METAL CHIP	100	5%		1/10W
R713	1-216-809-11	METAL CHIP	100	5%		1/10W
R714	1-216-845-11	METAL CHIP	100K	5%		1/10W
***						
	1-685-235-12	JACK BOARD				
		***********				
		< CAPACITOR >				
C539	1-164-159-21	CERAMIC	0.1uF			50V
C597	1-162-282-31	CERAMIC	100PF	10%		50V
C598	1-162-282-31	CERAMIC	100PF	10%		50V
C599	1-164-159-21	CERAMIC	0.1uF			50V
		< IC >				
IC503	8-749-923-05	IC TORX178B (DIGITAL IN OPTICAL)				
		< CONNECTOR >				
J501	1-815-194-11	CONNECTOR, USB (B) (USB)				
		< JACK >				
J502	1-816-609-11	JACK, PIN 3P (AUDIO IN, DIGITAL IN COAXIAL)				
		< TERMINAL BOARD >				
J503	1-694-656-11	TERMINAL BOARD (6CH) (SPEAKER)				
***						
	1-685-236-12	KEY BOARD				
		**********				
		< CONNECTOR >				
CNP701	1-775-377-61	LEAD (WITH CONNECTOR) 8P				
		< DIODE >				
D701	8-719-067-82	LED SML-020MLTT86 (I/⏻)				
		< TRANSISTOR >				
Q701	8-729-027-52	TRANSISTOR DTC124EKA-T146				
		< RESISTOR >				
R703	1-216-809-11	METAL CHIP	100	5%		1/10W
R704	1-216-813-11	METAL CHIP	220	5%		1/10W
R705	1-216-809-11	METAL CHIP	100	5%		1/10W
R706	1-216-809-11	METAL CHIP	100	5%		1/10W
R707	1-216-809-11	METAL CHIP	100	5%		1/10W
R708	1-216-833-11	METAL CHIP	10K	5%		1/10W
R711	1-216-809-11	METAL CHIP	100	5%		1/10W
R715	1-216-829-11	METAL CHIP	4.7K	5%		1/10W
R716	1-216-837-11	METAL CHIP	22K	5%		1/10W
		< SWITCHING REGULATOR >				
RE701	1-477-255-11	REGULATOR, SWITCHING (VOL/SELECT)				

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S701	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			
S702	1-762-875-21	SWITCH, KEYBOARD (MENU/ENTER)			

****

Ref. No.	Part No.	Description			Remark
	A-4728-814-A	MAIN BOARD, COMPLETE (US,CND,MX)			
	A-4728-816-A	MAIN BOARD, COMPLETE (AEP,UK,SP,MY)			
		*********************			
	1-533-313-11	HOLDER, FUSE			
		< CAPACITOR >			
C301	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C302	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C303	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C304	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C305	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C306	1-124-234-00	ELECT	22uF	20%	16V
C307	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C308	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C309	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C310	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C311	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C312	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C313	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C314	1-126-947-11	ELECT	47uF	20%	10V
C315	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C316	1-126-934-11	ELECT	220uF	20%	10V
C317	1-136-165-00	FILM	0.1uF	5%	50V
C319	1-136-165-00	FILM	0.1uF	5%	50V
C320	1-136-165-00	FILM	0.1uF	5%	50V
C321	1-136-165-00	FILM	0.1uF	5%	50V
C323	1-136-165-00	FILM	0.1uF	5%	50V
C325	1-136-165-00	FILM	0.1uF	5%	50V
C326	1-136-165-00	FILM	0.1uF	5%	50V
C328	1-136-165-00	FILM	0.1uF	5%	50V
C329	1-124-234-00	ELECT	22uF	20%	16V
C332	1-131-700-31	FILM	0.47uF	5%	50V
C334	1-136-165-00	FILM	0.1uF	5%	50V
C336	1-131-694-31	FILM	0.15uF	5%	50V
C340	1-136-165-00	FILM	0.1uF	5%	50V
C341	1-131-694-31	FILM	0.15uF	5%	50V
C344	1-104-509-11	CERAMIC CHIP	0.018uF	10%	16V
C345	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C346	1-124-234-00	ELECT	22uF	20%	16V
C347	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C348	1-124-234-00	ELECT	22uF	20%	16V
C349	1-124-234-00	ELECT	22uF	20%	16V
C351	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C354	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C355	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C356	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C358	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C359	1-126-160-11	ELECT	1uF	20%	50V
C362	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C363	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C364	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C365	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C366	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C367	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C371	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C372	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C373	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C374	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C375	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C378	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C379	1-126-160-11	ELECT	1uF	20%	50V
C380	1-126-160-11	ELECT	1uF	20%	50V
C381	1-126-768-11	ELECT	2200uF	20%	16V
C382	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C383	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C384	1-124-465-00	ELECT	0.47uF	20%	50V
C385	1-124-465-00	ELECT	0.47uF	20%	50V
C386	1-124-465-00	ELECT	0.47uF	20%	50V
C387	1-126-160-11	ELECT	1uF	20%	50V
C388	1-124-589-11	ELECT	47uF	20%	16V
C389	1-124-465-00	ELECT	0.47uF	20%	50V
C390	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C391	1-124-589-11	ELECT	47uF	20%	16V
C392	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C393	1-124-465-00	ELECT	0.47uF	20%	50V
C394	1-124-465-00	ELECT	0.47uF	20%	50V
C395	1-124-465-00	ELECT	0.47uF	20%	50V
C396	1-124-465-00	ELECT	0.47uF	20%	50V
C397	1-126-160-11	ELECT	1uF	20%	50V
C398	1-124-589-11	ELECT	47uF	20%	16V
C399	1-124-465-00	ELECT	0.47uF	20%	50V
C421	1-126-157-11	ELECT	10uF	20%	16V
C422	1-126-157-11	ELECT	10uF	20%	16V
C423	1-126-157-11	ELECT	10uF	20%	16V
C424	1-126-157-11	ELECT	10uF	20%	16V
C425	1-126-157-11	ELECT	10uF	20%	16V
C426	1-126-157-11	ELECT	10uF	20%	16V
C427	1-126-157-11	ELECT	10uF	20%	16V
C428	1-126-160-11	ELECT	1uF	20%	50V
C431	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C432	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C433	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C434	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C435	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C436	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C437	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C439	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C440	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C441	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C442	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C443	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C444	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C501	1-126-157-11	ELECT	10uF	20%	16V
C502	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C503	1-126-157-11	ELECT	10uF	20%	16V
C504	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C505	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C507	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C508	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C509	1-126-157-11	ELECT	10uF	20%	16V
C510	1-126-157-11	ELECT	10uF	20%	16V
C511	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C512	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C513	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C514	1-126-157-11	ELECT	10uF	20%	16V
C515	1-126-157-11	ELECT	10uF	20%	16V
C517	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C518	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C519	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C520	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C521	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C522	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C523	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C524	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C525	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C526	1-126-964-11	ELECT	10uF	20%	50V
C527	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C528	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C529	1-126-160-11	ELECT	1uF	20%	50V
C530	1-126-160-11	ELECT	1uF	20%	50V
C531	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C532	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C533	1-126-153-11	ELECT	22uF	20%	6.3V
C534	1-126-160-11	ELECT	1uF	20%	50V
C535	1-126-157-11	ELECT	10uF	20%	16V
C536	1-126-947-11	ELECT	47uF	20%	10V
C537	1-126-153-11	ELECT	22uF	20%	6.3V
C538	1-162-538-11	CERAMIC CHIP	0.001uF	10%	50V
C540	1-126-157-11	ELECT	10uF	20%	16V
C541	1-126-157-11	ELECT	10uF	20%	16V
C542	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C543	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C544	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C545	1-162-538-11	CERAMIC CHIP	0.001uF	10%	50V
C552	1-162-930-11	CERAMIC CHIP	1PF	0.25PF	50V
C553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C554	1-126-934-11	ELECT	220uF	20%	10V
C556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C557	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C558	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C601	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C603	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C604	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C605	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C608	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C609	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C801	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C802	1-128-551-11	ELECT	22uF	20%	25V
C803	1-126-934-11	ELECT	220uF	20%	10V
C806	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C808	1-104-905-11	DOUBLE LAYERS	0.22F		5.5V
C809	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C810	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C811	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C812	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C813	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C814	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C815	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C817	1-126-960-11	ELECT	1uF	20%	50V
C818	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C819	1-126-160-11	ELECT	1uF	20%	50V
C822	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C823	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C824	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C825	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C826	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C827	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C831	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C832	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C833	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C834	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C835	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C836	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C837	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C838	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C839	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C840	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C841	1-126-153-11	ELECT	22uF	20%	6.3V
C842	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C843	1-124-434-00	ELECT	220uF	20%	4V
C844	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C845	1-128-551-11	ELECT	22uF	20%	25V
C846	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C847	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C849	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C850	1-126-153-11	ELECT	22uF	20%	6.3V
C851	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C852	1-126-153-11	ELECT	22uF	20%	6.3V
C853	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C854	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C855	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C856	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C857	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C858	1-128-551-11	ELECT	22uF	20%	25V
C859	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C860	1-126-934-11	ELECT	220uF	20%	10V
C861	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C882	1-126-153-11	ELECT	22uF	20%	6.3V
C884	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C885	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C886	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C887	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C888	1-128-551-11	ELECT	22uF	20%	25V
C889	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C890	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C891	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C892	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C893	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C894	1-126-153-11	ELECT	22uF	20%	6.3V

Ref. No.	Part No.	Description			Remark
C895	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C896	1-128-551-11	ELECT	22uF	20%	25V
C897	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C898	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C899	1-164-360-11	CERAMIC CHIP	0.1uF		16V
⚠C901	1-117-703-11	CERAMIC	0.0047uF		250V
⚠C902	1-104-705-11	MYLAR	0.1uF	20%	250V
C903	1-162-290-31	CERAMIC	470PF	10%	50V
⚠C904	1-104-705-11	MYLAR	0.1uF	20%	250V
⚠C905	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C906	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C908	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C911	1-113-907-51	CERAMIC	0.0022uF		250V
⚠C912	1-115-586-11	ELECT(BLOCK)	220uF	20%	400V (EXCEPT US,CND,MX)
⚠C912	1-125-708-11	ELECT(BLOCK)	330uF	20%	200V (US,CND,MX)
⚠C913	1-117-452-11	FILM	0.0033uF	5%	630V
C914	1-126-967-11	ELECT	47uF	20%	50V
C915	1-162-286-21	CERAMIC	220PF	10%	50V
⚠C916	1-125-772-51	CERAMIC	0.0015uF	10%	2KV
C917	1-126-935-11	ELECT	470uF	20%	16V
C918	1-115-340-11	CERAMIC	0.22uF	10%	25V
C919	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (US,CND,MX)
⚠C920	1-117-452-11	FILM	0.0033uF	5%	630V
C921	1-115-792-11	ELECT	2200uF	20%	25V
C922	1-115-792-11	ELECT	2200uF	20%	25V
C923	1-115-792-11	ELECT	2200uF	20%	25V
C924	1-162-962-11	CERAMIC CHIP	470PF	10%	50V (US,CND,MX)
C925	1-126-935-11	ELECT	470uF	20%	16V
C927	1-126-768-11	ELECT	2200uF	20%	16V
C928	1-104-665-11	ELECT	100uF	20%	10V
C929	1-128-551-11	ELECT	22uF	20%	25V (US,CND,MX)
C931	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C932	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C933	1-164-360-11	CERAMIC CHIP	0.1uF		16V
⚠C941	1-113-907-51	CERAMIC	0.0022uF		250V (EXCEPT US,CND,MX)
C942	1-126-934-11	ELECT	220uF	20%	10V (EXCEPT US,CND,MX)
C943	1-126-767-11	ELECT	1000uF	20%	16V (EXCEPT US,CND,MX)
C944	1-126-767-11	ELECT	1000uF	20%	16V (EXCEPT US,CND,MX)
		< CONNECTOR >			
* CN301	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P			
* CN381	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
* CN382	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
* CN383	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
* CN421	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN801	1-784-775-11	CONNECTOR, FFC 14P			
CN802	1-784-367-31	CONNECTOR, FFC/FPC 8P			
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			(US,CND,MX)
CN902	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			(EXCEPT US,CND,MX)

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D383	8-719-988-61	DIODE 1SS355TE-17	
D385	8-719-988-61	DIODE 1SS355TE-17	
D421	8-719-988-61	DIODE 1SS355TE-17	
D422	8-719-988-61	DIODE 1SS355TE-17	
D423	8-719-988-61	DIODE 1SS355TE-17	
D424	8-719-988-61	DIODE 1SS355TE-17	
D425	8-719-988-61	DIODE 1SS355TE-17	
D426	8-719-988-61	DIODE 1SS355TE-17	
D504	8-719-988-61	DIODE 1SS355TE-17	
D506	8-719-988-61	DIODE 1SS355TE-17	
D507	8-719-988-61	DIODE 1SS355TE-17	
D509	8-719-988-61	DIODE 1SS355TE-17	
D510	8-719-988-61	DIODE 1SS355TE-17	
D511	8-719-988-61	DIODE 1SS355TE-17	
D802	8-719-988-61	DIODE 1SS355TE-17	
D803	8-719-988-61	DIODE 1SS355TE-17	
D804	8-719-988-61	DIODE 1SS355TE-17	
D805	8-719-988-61	DIODE 1SS355TE-17	
D806	8-719-988-61	DIODE 1SS355TE-17	
D807	8-719-988-61	DIODE 1SS355TE-17	
D808	8-719-988-61	DIODE 1SS355TE-17	
D809	8-719-988-61	DIODE 1SS355TE-17	
D810	8-719-988-61	DIODE 1SS355TE-17	
D811	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D812	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D901	8-719-043-76	DIODE AK04V0	
⚠D902	8-719-084-58	DIODE RBV-406	
D903	8-719-110-53	DIODE RD20ES-B2	
D904	8-719-110-53	DIODE RD20ES-B2	
D905	8-719-200-91	DIODE 11EQS10	
D906	8-719-200-91	DIODE 11EQS10	
D907	8-719-200-91	DIODE 11EQS10	
⚠D908	6-500-241-01	DIODE SARS03	
D909	6-500-258-01	DIODE RK16	
D910	8-719-988-61	DIODE 1SS355TE-17	(US,CND,MX)
D911	8-719-080-05	DIODE FMB-26L	
D913	8-719-200-91	DIODE 11EQS10	
D914	8-719-988-61	DIODE 1SS355TE-17	(US,CND,MX)
D918	8-719-109-93	DIODE RD6.2ES-B2	(EXCEPT US,CND,MX)
D941	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D942	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D943	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D944	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D945	8-719-988-61	DIODE 1SS355TE-17	(EXCEPT US,CND,MX)
D946	8-719-988-61	DIODE 1SS355TE-17	(US,CND,MX)
DZ501	8-719-109-66	DIODE RD3.3ES-B2	
		< TERMINAL BOARD >	
EB902	1-537-770-21	TERMINAL BOARD, GROUND	
		< FUSE >	
⚠F901	1-533-453-11	FUSE, GLASS TUBE (DIA.5) (5A/125V)	(US,CND,MX)
⚠F901	1-533-470-11	FUSE, GLASS TUBE (DIA.5) (T3.15AL/250V)	(EXCEPT US,CND,MX)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description			Remark
		< FERRITE BEAD >			
FB501	1-469-681-21	FERRITE, EMI (SMD)			
FB502	1-216-864-11	METAL CHIP	0	5%	1/10W
FB503	1-216-864-11	METAL CHIP	0	5%	1/10W
FB504	1-216-864-11	METAL CHIP	0	5%	1/10W
FB505	1-469-681-21	FERRITE, EMI (SMD)			
FB506	1-469-681-21	FERRITE, EMI (SMD)			
FB507	1-469-681-21	FERRITE, EMI (SMD)			
FB508	1-469-681-21	FERRITE, EMI (SMD)			
FB509	1-469-681-21	FERRITE, EMI (SMD)			
FB510	1-469-681-21	FERRITE, EMI (SMD)			
FB511	1-469-681-21	FERRITE, EMI (SMD)			
FB512	1-469-681-21	FERRITE, EMI (SMD)			
FB513	1-469-681-21	FERRITE, EMI (SMD)			
FB801	1-469-681-21	FERRITE, EMI (SMD)			
FB802	1-469-681-21	FERRITE, EMI (SMD)			
FB803	1-469-681-21	FERRITE, EMI (SMD)			
FB804	1-469-681-21	FERRITE, EMI (SMD)			
FB805	1-469-681-21	FERRITE, EMI (SMD)			
FB806	1-469-681-21	FERRITE, EMI (SMD)			
FB807	1-469-681-21	FERRITE, EMI (SMD)			
FB808	1-469-681-21	FERRITE, EMI (SMD)			
FB809	1-469-681-21	FERRITE, EMI (SMD)			
FB821	1-469-681-21	FERRITE, EMI (SMD)			
FB822	1-469-681-21	FERRITE, EMI (SMD)			
FB823	1-469-681-21	FERRITE, EMI (SMD)			
FB824	1-469-681-21	FERRITE, EMI (SMD)			
FB825	1-469-681-21	FERRITE, EMI (SMD)			
FB826	1-469-681-21	FERRITE, EMI (SMD)			
FB827	1-469-681-21	FERRITE, EMI (SMD)			
FB828	1-469-681-21	FERRITE, EMI (SMD)			
FB829	1-469-681-21	FERRITE, EMI (SMD)			
FB831	1-469-681-21	FERRITE, EMI (SMD)			
FB832	1-469-681-21	FERRITE, EMI (SMD)			
FB834	1-469-681-21	FERRITE, EMI (SMD)			
FB901	1-412-473-21	INDUCTOR (SMALL TYPE)			
FL801	1-469-681-21	FERRITE, EMI (SMD)			
		< FILTER >			
FL802	1-234-177-21	FILTER, CHIP EMI			
FL804	1-234-177-21	FILTER, CHIP EMI			
FL806	1-234-177-21	FILTER, CHIP EMI			
FL807	1-234-177-21	FILTER, CHIP EMI			
FL821	1-234-177-21	FILTER, CHIP EMI			
FL822	1-234-177-21	FILTER, CHIP EMI			
FL829	1-234-177-21	FILTER, CHIP EMI			
		< TERMINAL BOARD >			
G1101	1-537-770-21	TERMINAL BOARD, GROUND			
		< IC >			
IC301	8-759-106-02	IC uPC4570G2			
IC302	8-759-106-02	IC uPC4570G2			
IC303	8-759-106-02	IC uPC4570G2			
IC304	8-759-658-33	IC TC9482F(EL)			
IC305	8-759-106-02	IC uPC4570G2			

Ref. No.	Part No.	Description	Remark
IC306	8-759-106-02	IC uPC4570G2	
IC307	8-759-106-02	IC uPC4570G2	
IC308	8-759-106-02	IC uPC4570G2	
IC381	8-759-490-74	IC TDA7384A	
IC382	8-759-490-74	IC TDA7384A	
IC501	8-759-713-24	IC PCM2702E/2K	
IC502	8-759-008-67	IC MC14066BF	
IC505	8-759-106-02	IC uPC4570G2	
IC506	8-759-106-02	IC uPC4570G2	
IC507	8-759-106-02	IC uPC4570G2	
IC508	8-759-106-02	IC uPC4570G2	
IC509	8-759-242-70	IC TC7WU04F	
IC801	6-801-523-01	IC uPD703033A	
IC802	8-759-698-76	IC CXD9617R	
IC803	8-759-825-15	IC LC89056W-E	
IC804	8-759-657-47	IC AK4527	
IC805	8-759-658-46	IC S-81233SGY-Z	
IC806	8-759-637-58	IC PST592C-T	
IC807	8-759-637-50	IC TA48M025F(TE16L)	
IC808	8-759-658-46	IC S-81233SGY-Z	
⚠IC901	8-749-017-79	IC STR-F6676 (EXCEPT US,CND,MX)	
⚠IC901	8-749-018-45	IC STR-F6424 (US,CND,MX)	
IC902	6-700-388-01	IC SE-B2	
IC903	8-759-390-72	IC TC4S584F(TE85R) (US,CND,MX)	
IC904	8-759-604-32	IC M5F7810L	
IC905	6-700-812-01	IC SI-8050JF	
IC906	8-759-683-11	IC KIA78L05BP-AT	
IC941	8-759-683-11	IC KIA78L05BP-AT (EXCEPT US,CND,MX)	
		< COIL >	
L501	1-412-002-31	INDUCTOR 4.7uH	
L503	1-412-002-31	INDUCTOR 4.7uH	
L504	1-412-002-31	INDUCTOR 4.7uH	
L801	1-410-993-11	INDUCTOR 1uH	
L802	1-410-993-11	INDUCTOR 1uH	
L901	1-424-860-11	COIL, CHOKE 10uH	
L902	1-419-253-11	COIL, CHOKE 100uH	
L903	1-408-599-31	INDUCTOR 4.7uH	
		< LINE FILTER >	
⚠LF901	1-424-930-11	COIL, LINE FILTER (EXCEPT US,CND,MX)	
⚠LF902	1-424-930-11	COIL, LINE FILTER	
		< PHOTO COUPLER >	
PC901	8-749-019-04	PHOTO COUPLER TLP421	
		< TRANSISTOR >	
Q301	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q302	8-729-027-52	TRANSISTOR DTC124EKA-T146	
Q303	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q304	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q305	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q306	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q307	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q308	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q309	8-729-901-05	TRANSISTOR DTA124EK	
Q310	8-729-901-05	TRANSISTOR DTA124EK	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
Q311	8-729-901-05	TRANSISTOR	DTA124EK			
Q312	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q313	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q314	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q321	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q322	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q323	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q324	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q325	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q326	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q421	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q422	8-729-037-13	TRANSISTOR	KTA1271-Y			
Q501	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q502	8-729-901-05	TRANSISTOR	DTA124EK			
Q503	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q504	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q505	8-729-901-05	TRANSISTOR	DTA124EK			
Q506	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q507	8-729-900-53	TRANSISTOR	DTC114EK			
Q801	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q803	8-729-027-24	TRANSISTOR	DTA114TKA-T146			
Q804	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q805	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q901	8-729-111-29	TRANSISTOR	2SD1616A-K			
Q902	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L (US,CND,MX)			
Q904	8-729-037-13	TRANSISTOR	KTA1271-Y			
Q905	8-729-900-53	TRANSISTOR	DTC114EK			
Q906	8-729-900-53	TRANSISTOR	DTC114EK (US,CND,MX)			
Q907	8-729-037-13	TRANSISTOR	KTA1271-Y			
Q908	8-729-900-53	TRANSISTOR	DTC114EK			
Q909	8-729-040-76	TRANSISTOR	KTA1273-Y-AT (US,CND,MX)			
Q910	8-729-900-53	TRANSISTOR	DTC114EK (US,CND,MX)			
Q941	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R (EXCEPT US,CND,MX)			
		< RESISTOR >				
R301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R302	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R304	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R305	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R307	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R308	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R310	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R313	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R315	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R316	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R320	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R321	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R323	1-216-809-11	METAL CHIP	100	5%	1/10W	
R324	1-216-809-11	METAL CHIP	100	5%	1/10W	
R325	1-216-809-11	METAL CHIP	100	5%	1/10W	
R326	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R327	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R328	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R329	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R330	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

Ref. No.	Part No.	Description			Remark
R331	1-216-864-11	METAL CHIP	0	5%	1/10W
R332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R333	1-216-821-11	METAL CHIP	1K	5%	1/10W
R334	1-216-864-11	METAL CHIP	0	5%	1/10W
R335	1-216-839-11	METAL CHIP	33K	5%	1/10W
R336	1-216-821-11	METAL CHIP	1K	5%	1/10W
R337	1-216-864-11	METAL CHIP	0	5%	1/10W
R338	1-216-839-11	METAL CHIP	33K	5%	1/10W
R339	1-216-821-11	METAL CHIP	1K	5%	1/10W
R340	1-216-864-11	METAL CHIP	0	5%	1/10W
R341	1-216-839-11	METAL CHIP	33K	5%	1/10W
R342	1-216-864-11	METAL CHIP	0	5%	1/10W
R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R345	1-216-833-11	METAL CHIP	10K	5%	1/10W
R348	1-216-821-11	METAL CHIP	1K	5%	1/10W
R349	1-216-864-11	METAL CHIP	0	5%	1/10W
R350	1-216-839-11	METAL CHIP	33K	5%	1/10W
R351	1-216-821-11	METAL CHIP	1K	5%	1/10W
R352	1-216-845-11	METAL CHIP	100K	5%	1/10W
R353	1-216-836-11	METAL CHIP	18K	5%	1/10W
R354	1-216-836-11	METAL CHIP	18K	5%	1/10W
R355	1-216-864-11	METAL CHIP	0	5%	1/10W
R356	1-216-845-11	METAL CHIP	100K	5%	1/10W
R358	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R360	1-216-845-11	METAL CHIP	100K	5%	1/10W
R361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R362	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R363	1-216-845-11	METAL CHIP	100K	5%	1/10W
R364	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R366	1-216-845-11	METAL CHIP	100K	5%	1/10W
R367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R368	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R369	1-216-845-11	METAL CHIP	100K	5%	1/10W
R370	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R372	1-216-845-11	METAL CHIP	100K	5%	1/10W
R373	1-216-833-11	METAL CHIP	10K	5%	1/10W
R374	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R375	1-216-845-11	METAL CHIP	100K	5%	1/10W
R376	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R377	1-216-841-11	METAL CHIP	47K	5%	1/10W
R378	1-216-841-11	METAL CHIP	47K	5%	1/10W
R381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R383	1-216-837-11	METAL CHIP	22K	5%	1/10W
R384	1-216-833-11	METAL CHIP	10K	5%	1/10W
R386	1-216-837-11	METAL CHIP	22K	5%	1/10W
R388	1-216-841-11	METAL CHIP	47K	5%	1/10W
R392	1-216-821-11	METAL CHIP	1K	5%	1/10W
R393	1-216-821-11	METAL CHIP	1K	5%	1/10W
R394	1-216-821-11	METAL CHIP	1K	5%	1/10W
R395	1-216-821-11	METAL CHIP	1K	5%	1/10W
R396	1-216-821-11	METAL CHIP	1K	5%	1/10W
R397	1-216-821-11	METAL CHIP	1K	5%	1/10W
R398	1-216-821-11	METAL CHIP	1K	5%	1/10W
R401	1-216-853-11	METAL CHIP	470K	5%	1/10W
R402	1-216-821-11	METAL CHIP	1K	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W
R404	1-216-853-11	METAL CHIP	470K	5%	1/10W
R405	1-216-821-11	METAL CHIP	1K	5%	1/10W
R406	1-216-853-11	METAL CHIP	470K	5%	1/10W
R407	1-216-821-11	METAL CHIP	1K	5%	1/10W
R408	1-216-853-11	METAL CHIP	470K	5%	1/10W
R409	1-216-853-11	METAL CHIP	470K	5%	1/10W
R410	1-216-821-11	METAL CHIP	1K	5%	1/10W
R411	1-216-821-11	METAL CHIP	1K	5%	1/10W
R412	1-216-853-11	METAL CHIP	470K	5%	1/10W
R421	1-216-817-11	METAL CHIP	470	5%	1/10W
R422	1-216-817-11	METAL CHIP	470	5%	1/10W
R423	1-216-817-11	METAL CHIP	470	5%	1/10W
R424	1-216-817-11	METAL CHIP	470	5%	1/10W
R425	1-216-817-11	METAL CHIP	470	5%	1/10W
R426	1-216-817-11	METAL CHIP	470	5%	1/10W
R427	1-216-841-11	METAL CHIP	47K	5%	1/10W
R428	1-216-809-11	METAL CHIP	100	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W
R501	1-216-809-11	METAL CHIP	100	5%	1/10W
R502	1-216-857-11	METAL CHIP	1M	5%	1/10W
R503	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R504	1-216-821-11	METAL CHIP	1K	5%	1/10W
R505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R506	1-216-833-11	METAL CHIP	10K	5%	1/10W
R507	1-216-809-11	METAL CHIP	100	5%	1/10W
R508	1-216-809-11	METAL CHIP	100	5%	1/10W
R509	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R511	1-216-841-11	METAL CHIP	47K	5%	1/10W
R512	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R514	1-216-841-11	METAL CHIP	47K	5%	1/10W
R515	1-216-801-11	METAL CHIP	22	5%	1/10W
R516	1-216-801-11	METAL CHIP	22	5%	1/10W
R517	1-216-801-11	METAL CHIP	22	5%	1/10W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R520	1-216-833-11	METAL CHIP	10K	5%	1/10W
R521	1-216-851-11	METAL CHIP	330K	5%	1/10W
R522	1-216-851-11	METAL CHIP	330K	5%	1/10W
R523	1-216-833-11	METAL CHIP	10K	5%	1/10W
R524	1-216-857-11	METAL CHIP	1M	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-833-11	METAL CHIP	10K	5%	1/10W
R527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R528	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R529	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R530	1-216-833-11	METAL CHIP	10K	5%	1/10W
R531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R532	1-216-813-11	METAL CHIP	220	5%	1/10W
R533	1-216-809-11	METAL CHIP	100	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-813-11	METAL CHIP	220	5%	1/10W
R537	1-216-809-11	METAL CHIP	100	5%	1/10W
R538	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R541	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R542	1-216-809-11	METAL CHIP	100	5%	1/10W
R543	1-216-813-11	METAL CHIP	220	5%	1/10W
R544	1-216-833-11	METAL CHIP	10K	5%	1/10W
R545	1-216-809-11	METAL CHIP	100	5%	1/10W
R546	1-216-813-11	METAL CHIP	220	5%	1/10W
R547	1-216-833-11	METAL CHIP	10K	5%	1/10W
R548	1-216-833-11	METAL CHIP	10K	5%	1/10W
R549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R553	1-216-837-11	METAL CHIP	22K	5%	1/10W
R554	1-216-853-11	METAL CHIP	470K	5%	1/10W
R555	1-216-809-11	METAL CHIP	100	5%	1/10W
R556	1-216-849-11	METAL CHIP	220K	5%	1/10W
R557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R558	1-218-285-11	METAL CHIP	75	5%	1/10W
R559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-821-11	METAL CHIP	1K	5%	1/10W
R603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R605	1-216-864-11	METAL CHIP	0	5%	1/10W
R606	1-216-864-11	METAL CHIP	0	5%	1/10W
R607	1-216-864-11	METAL CHIP	0	5%	1/10W
R608	1-216-864-11	METAL CHIP	0	5%	1/10W
R609	1-216-809-11	METAL CHIP	100	5%	1/10W
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R803	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-216-857-11	METAL CHIP	1M	5%	1/10W
R806	1-216-841-11	METAL CHIP	47K	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-216-809-11	METAL CHIP	100	5%	1/10W
R809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-216-845-11	METAL CHIP	100K	5%	1/10W
R811	1-216-845-11	METAL CHIP	100K	5%	1/10W
R813	1-216-821-11	METAL CHIP	1K	5%	1/10W
R814	1-216-857-11	METAL CHIP	1M	5%	1/10W
R815	1-216-809-11	METAL CHIP	100	5%	1/10W
R816	1-216-809-11	METAL CHIP	100	5%	1/10W
R817	1-216-833-11	METAL CHIP	10K	5%	1/10W
R818	1-216-837-11	METAL CHIP	22K	5%	1/10W
R819	1-216-841-11	METAL CHIP	47K	5%	1/10W
R820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R821	1-216-833-11	METAL CHIP	10K	5%	1/10W
R822	1-216-845-11	METAL CHIP	100K	5%	1/10W (US,CND,MX)
R823	1-216-845-11	METAL CHIP	100K	5%	1/10W
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W
R826	1-216-833-11	METAL CHIP	10K	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R830	1-216-809-11	METAL CHIP	100	5%	1/10W
R831	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-809-11	METAL CHIP	100	5%	1/10W
R833	1-216-809-11	METAL CHIP	100	5%	1/10W
R834	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R835	1-216-833-11	METAL CHIP	10K	5%	1/10W
R836	1-216-837-11	METAL CHIP	22K	5%	1/10W
R837	1-216-821-11	METAL CHIP	1K	5%	1/10W
R838	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R839	1-216-809-11	METAL CHIP	100	5%	1/10W
R840	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-216-809-11	METAL CHIP	100	5%	1/10W
R842	1-216-809-11	METAL CHIP	100	5%	1/10W
R843	1-216-809-11	METAL CHIP	100	5%	1/10W
R845	1-216-857-11	METAL CHIP	1M	5%	1/10W
R846	1-216-821-11	METAL CHIP	1K	5%	1/10W
R847	1-216-821-11	METAL CHIP	1K	5%	1/10W
R848	1-216-821-11	METAL CHIP	1K	5%	1/10W
R849	1-216-809-11	METAL CHIP	100	5%	1/10W
R850	1-216-809-11	METAL CHIP	100	5%	1/10W
R851	1-216-809-11	METAL CHIP	100	5%	1/10W
R852	1-216-821-11	METAL CHIP	1K	5%	1/10W
R853	1-216-833-11	METAL CHIP	10K	5%	1/10W
R854	1-216-864-11	METAL CHIP	0	5%	1/10W
R855	1-216-809-11	METAL CHIP	100	5%	1/10W
R856	1-216-845-11	METAL CHIP	100K	5%	1/10W
R857	1-216-833-11	METAL CHIP	10K	5%	1/10W
R858	1-216-833-11	METAL CHIP	10K	5%	1/10W
R859	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R861	1-216-821-11	METAL CHIP	1K	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R863	1-216-809-11	METAL CHIP	100	5%	1/10W
R864	1-216-809-11	METAL CHIP	100	5%	1/10W
R865	1-216-821-11	METAL CHIP	1K	5%	1/10W
R866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R868	1-216-821-11	METAL CHIP	1K	5%	1/10W
R869	1-216-821-11	METAL CHIP	1K	5%	1/10W
R870	1-216-821-11	METAL CHIP	1K	5%	1/10W
R871	1-216-821-11	METAL CHIP	1K	5%	1/10W
R872	1-216-821-11	METAL CHIP	1K	5%	1/10W
R873	1-216-821-11	METAL CHIP	1K	5%	1/10W
R874	1-216-809-11	METAL CHIP	100	5%	1/10W
R875	1-216-809-11	METAL CHIP	100	5%	1/10W
R876	1-216-821-11	METAL CHIP	1K	5%	1/10W
R877	1-216-821-11	METAL CHIP	1K	5%	1/10W
R878	1-216-821-11	METAL CHIP	1K	5%	1/10W
R879	1-216-821-11	METAL CHIP	1K	5%	1/10W
R880	1-216-809-11	METAL CHIP	100	5%	1/10W
R881	1-216-821-11	METAL CHIP	1K	5%	1/10W
R882	1-216-821-11	METAL CHIP	1K	5%	1/10W
R883	1-216-821-11	METAL CHIP	1K	5%	1/10W
R884	1-216-845-11	METAL CHIP	100K	5%	1/10W
R885	1-216-845-11	METAL CHIP	100K	5%	1/10W
R886	1-216-845-11	METAL CHIP	100K	5%	1/10W
R887	1-216-845-11	METAL CHIP	100K	5%	1/10W
R888	1-216-821-11	METAL CHIP	1K	5%	1/10W
R889	1-216-845-11	METAL CHIP	100K	5%	1/10W
R890	1-216-845-11	METAL CHIP	100K	5%	1/10W
R891	1-216-845-11	METAL CHIP	100K	5%	1/10W
R892	1-216-864-11	METAL CHIP	0	5%	1/10W
R893	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description				Remark
R894	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R895	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R896	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R897	1-216-845-11	METAL CHIP	100K	5%	1/10W	(EXCEPT US,CND,MX)
R899	1-216-821-11	METAL CHIP	1K	5%	1/10W	
⚠R900	1-216-361-31	METAL OXIDE	0.22	5%	2W	F (US,CND,MX)
⚠R900	1-216-363-11	METAL OXIDE	0.33	5%	2W	F (EXCEPT US,CND,MX)
R901	1-249-415-11	CARBON	680	5%	1/4W	
⚠R903	1-216-361-31	METAL OXIDE	0.22	5%	2W	F (US,CND,MX)
⚠R903	1-216-365-00	METAL OXIDE	0.47	5%	2W	F (EXCEPT US,CND,MX)
R907	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R908	1-215-903-11	METAL OXIDE	68K	5%	2W	F
⚠R909	1-202-837-00	SOLID	82K	10%	1/2W	F
R911	1-249-422-11	CARBON	2.7K	5%	1/4W	
R912	1-249-426-11	CARBON	5.6K	5%	1/4W	
R913	1-249-389-11	CARBON	4.7	5%	1/4W	
R914	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
R915	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(US,CND,MX)
R916	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	(US,CND,MX)
R917	1-249-413-11	CARBON	470	5%	1/4W	
R918	1-249-409-11	CARBON	220	5%	1/4W	
R919	1-215-445-00	METAL	10K	1%	1/4W	
R920	1-215-433-00	METAL	3.3K	1%	1/4W	
R921	1-216-839-11	METAL CHIP	33K	5%	1/10W	(US,CND,MX)
R922	1-216-849-11	METAL CHIP	220K	5%	1/10W	(US,CND,MX)
R923	1-247-807-31	CARBON	100	5%	1/4W	(US,CND,MX)
R925	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R926	1-216-813-11	METAL CHIP	220	5%	1/10W	
R927	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R928	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R929	1-216-833-11	METAL CHIP	10K	5%	1/10W	(US,CND,MX)
R931	1-216-821-11	METAL CHIP	1K	5%	1/10W	(US,CND,MX)
R932	1-216-813-11	METAL CHIP	220	5%	1/10W	
R933	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R934	1-249-409-11	CARBON	220	5%	1/4W	
R935	1-249-409-11	CARBON	220	5%	1/4W	
R937	1-216-864-11	METAL CHIP	0	5%	1/10W	(EXCEPT US,CND,MX)
R941	1-216-793-11	METAL CHIP	4.7	5%	1/10W	(EXCEPT US,CND,MX)
R942	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(EXCEPT US,CND,MX)
		< RELAY >				
⚠RY901	1-755-332-11	RELAY (EXCEPT US,CND,MX)				
		< TRANSFORMER >				
⚠T901	1-437-732-11	TRANSFORMER, POWER (US,CND,MX)				

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description	Remark
⚠T901	1-437-733-11	TRANSFORMER, POWER (EXCEPT US,CND,MX)	
⚠T902	1-437-730-11	TRANSFORMER, POWER (EXCEPT US,CND,MX)	
		< THERMISTOR >	
⚠TH901	1-803-806-31	THERMISTOR, NTC	
		< VIBRATOR >	
X501	1-567-865-11	VIBRATOR, CRYSTAL (12MHz)	
X801	1-767-922-11	VIBRATOR, CERAMIC (16MHz)	
X803	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)	
X804	1-795-363-21	VIBRATOR, CERAMIC (13.5MHz)	

****

MISCELLANEOUS
****

Ref. No.	Part No.	Description	Remark
⚠15	1-696-169-21	CORD, POWER (AEP,UK,SP,MY)	
⚠15	1-783-532-11	CORD, POWER (US,CND,MX)	
16	1-500-586-11	FILTER, CLAMP (FERRITE CORE)	
55	1-827-365-11	FLEXIBLE FLAT CABLE (14 CORE)	
FAN901	1-763-561-22	FAN, D.C.	
SP901	1-825-144-11	SPEAKER (13cm)	

****

ACCESSORIES
****

Ref. No.	Part No.	Description	Remark
	1-477-316-11	REMOTE COMMANDER (RM-BE1) (EXCEPT US)	
	1-477-316-21	REMOTE COMMANDER (RM-BE1) (US)	
	1-757-988-11	CORD, OPTICAL PLUG (US,CND,SP,MY,MX)	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
	1-823-915-11	CORD (WITH CONNECTOR) (3m) (GREEN)	
	1-823-915-21	CORD (WITH CONNECTOR) (8m) (BLUE)	
	1-823-915-31	CORD (WITH CONNECTOR) (8m) (GRAY)	
	1-823-915-41	CORD (WITH CONNECTOR) (3m) (WHITE)	
	1-823-915-51	CORD (WITH CONNECTOR) (3m) (RED)	
	4-240-621-11	MANUAL, INSTRUCTION (ENGLISH) (UK)	
	4-240-621-21	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH) (CND,SP,MY,MX)	
	4-240-621-31	MANUAL, INSTRUCTION (ENGLISH,FRENCH, GERMAN,SPANISH) (AEP)	
	4-240-621-41	MANUAL, INSTRUCTION (DUTCH,SWEDISH, ITALIAN,POLISH) (AEP)	
	4-240-621-51	MANUAL, INSTRUCTION (DANISH,FINNISH) (AEP)	
	4-240-621-61	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	
	4-240-621-71	MANUAL, INSTRUCTION (ENGLISH) (US)	
	4-240-964-01	LID, BATTERY CASE (for RM-BE1) (EXCEPT US)	
	4-240-964-11	LID, BATTERY CASE (for RM-BE1) (US)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

HT-BE1/SA-WBE1/SS-BE1

SONY®

US Model
Canadian Model
AEP Model
UK Model
E Model

SERVICE MANUAL

Ver. 1.3 2005. 05

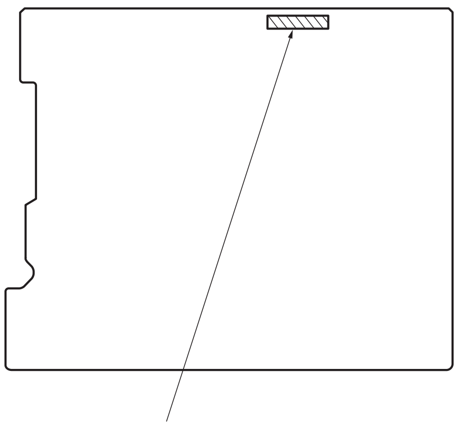
SUPPLEMENT-1

File this supplement with the service manual.

Subject : Change the MAIN BOARD of SA-WBE1.

Printed wiring board and schematic diagram of new type, and changed parts list are described in this Supplement-1.
When performing service and inspection, check the suffix of the part number of the MAIN board.

DISCRIMINATION
— MAIN BOARD (COMPONENT SIDE) —



MAIN BOARD Part No.
Former : 1-685-233-12
New : 1-685-233-14

9-874-031-81

TABLE OF CONTENTS

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

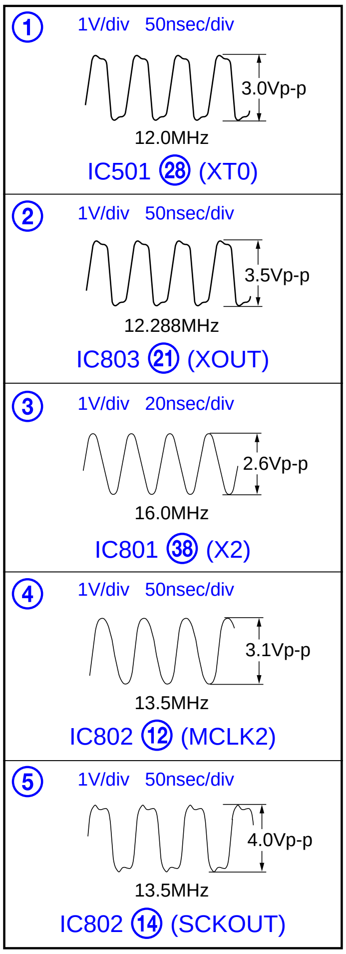
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- : B+ Line.
- Voltage is dc with respect to ground under no-signal (detuned) condition.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : LINE
  - : DIGITAL AUDIO (OPTICAL)
  - : DIGITAL AUDIO (COAXIAL)
- Abbreviation
  - CND : Canadian model.
  - SP : Singapore model.
  - MY : Malaysia model.
  - MX : Mexican model.
- ( ) : Page of Service Manual.
  (( )) : Page of Supplement-1.

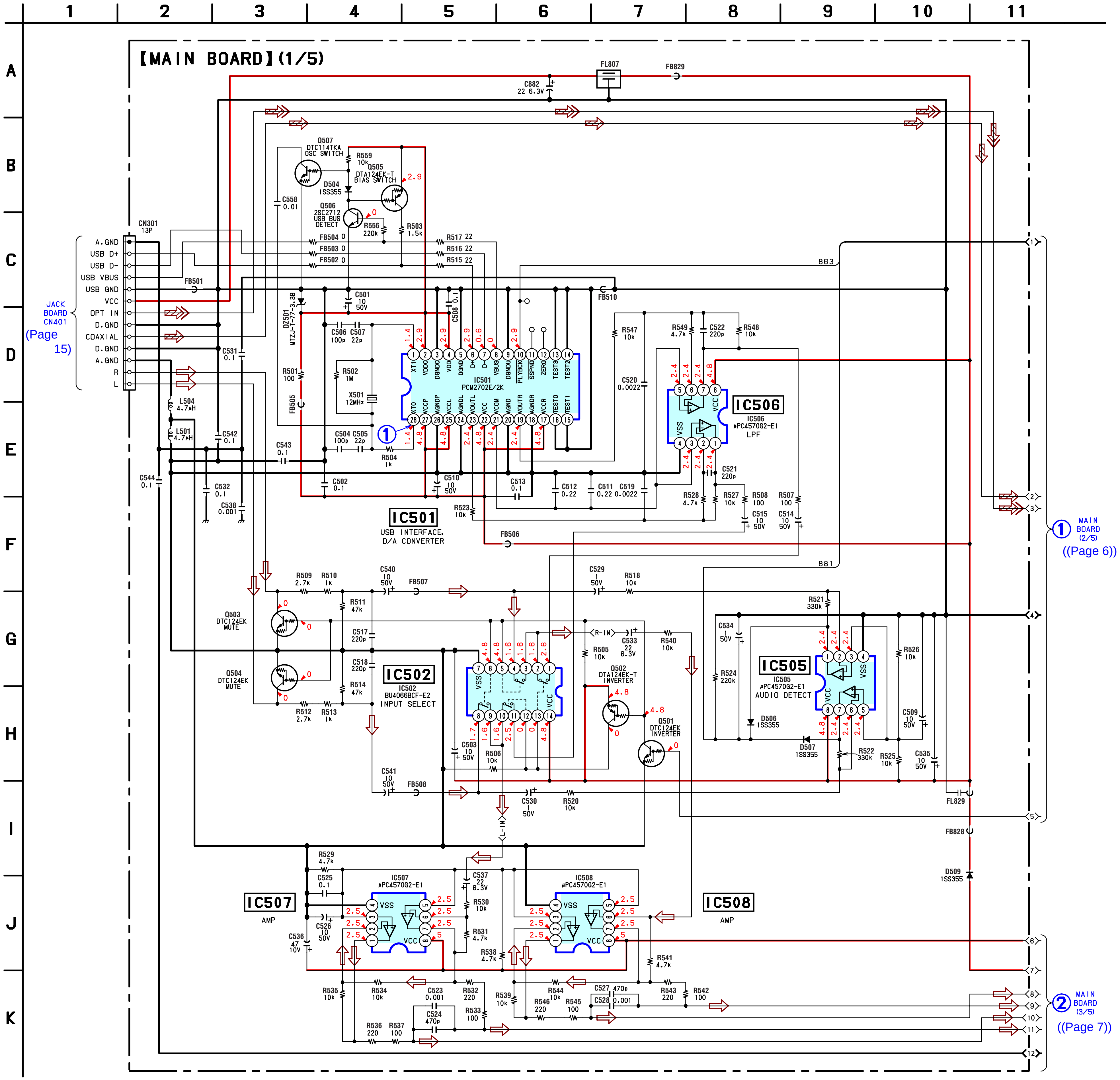
Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : Pattern from the side which enables seeing.
- Abbreviation
  - CND : Canadian model.
  - SP : Singapore model.
  - MY : Malaysia model.
  - MX : Mexican model.
- ( ) : Page of Service Manual.
  (( )) : Page of Supplement-1.

• Waveforms



1. SCHEMATIC DIAGRAM — MAIN (1/5) SECTION —

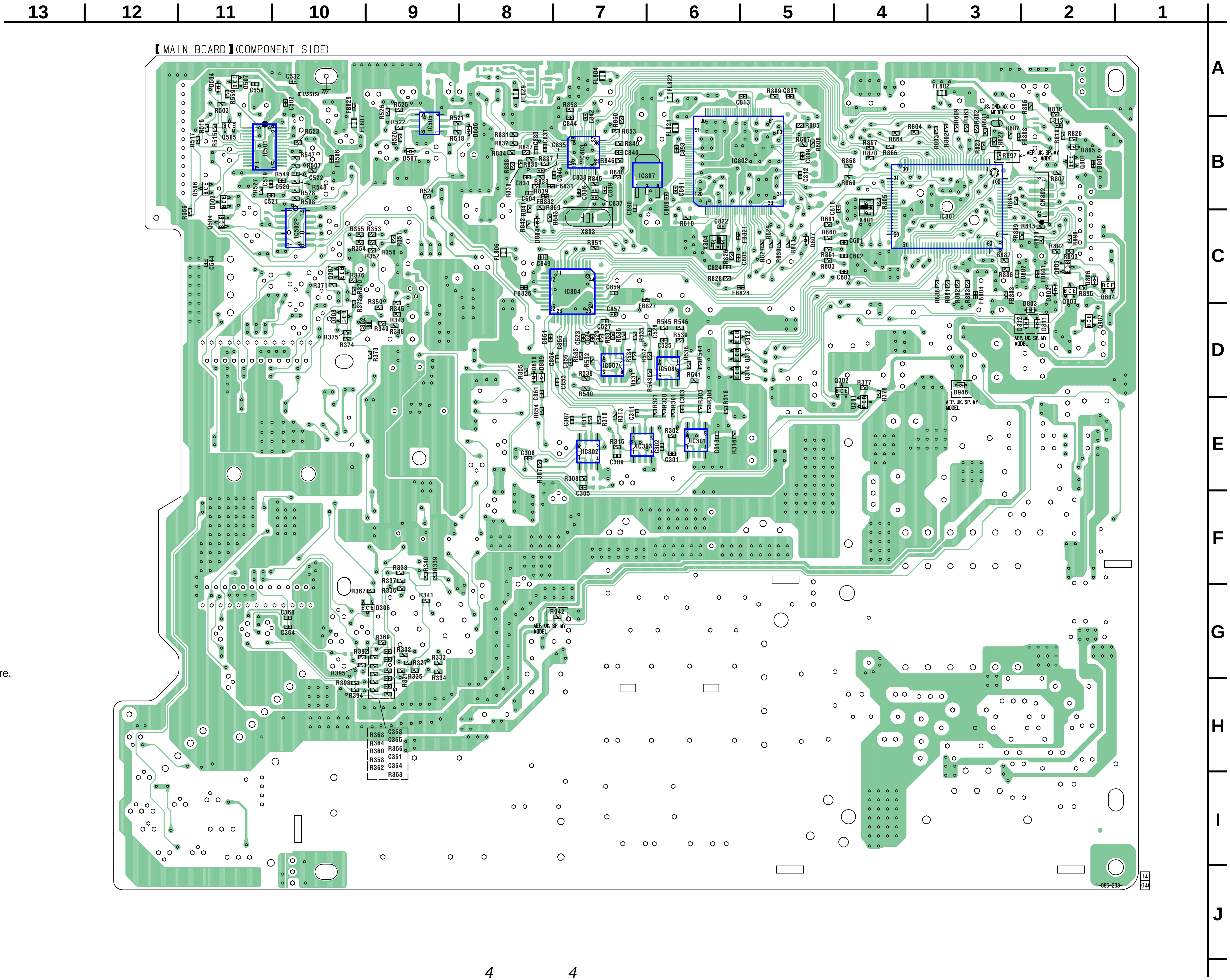


2. PRINTED WIRING BOARD — MAIN (1/2) SECTION —

• Semiconductor Location (Component side)

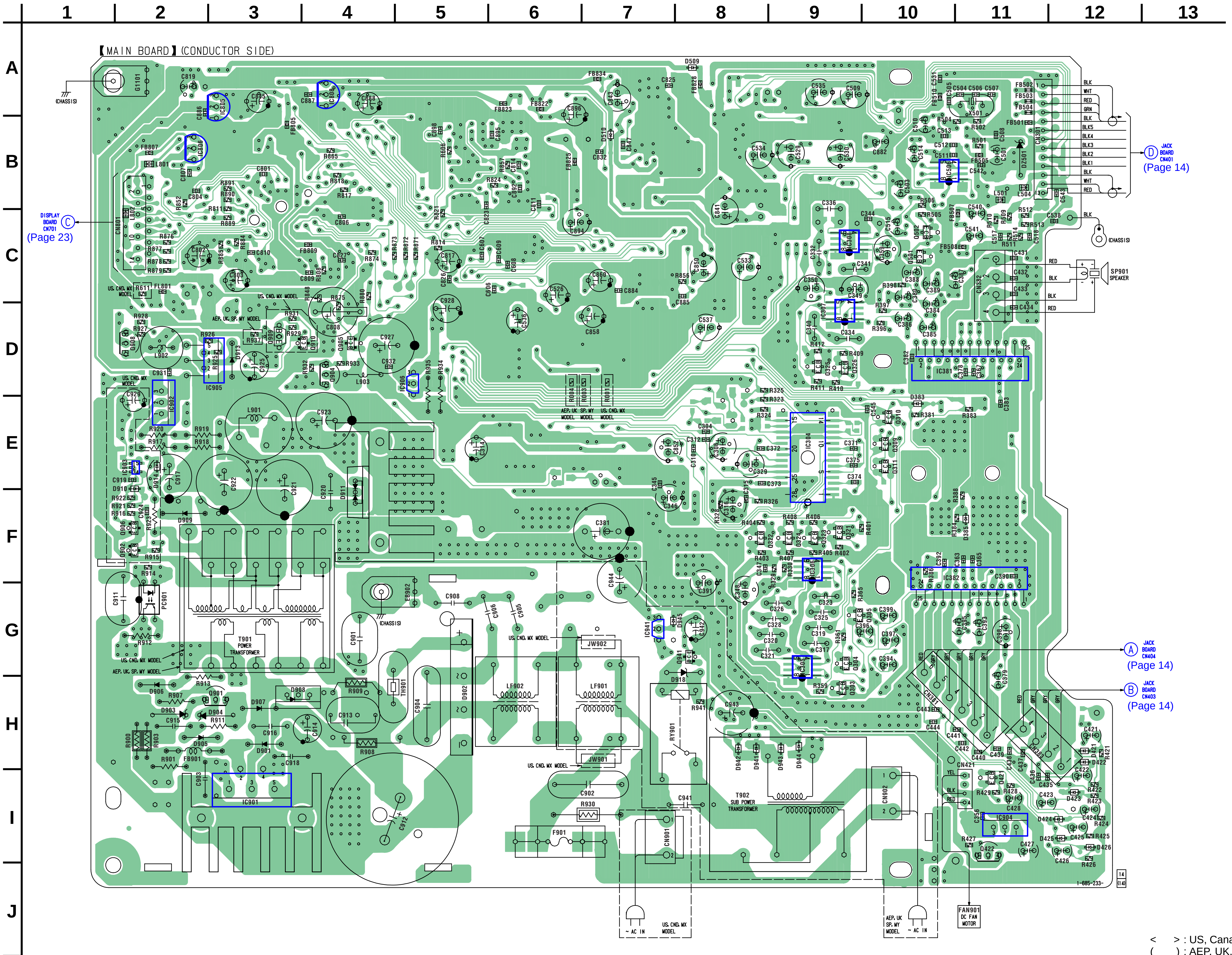
Ref. No.	Location
D504	A-11
D506	B-8
D507	B-9
D802	C-2
D803	D-2
D804	C-8
D805	B-2
D806	C-2
D807	C-5
D809	D-8
D810	D-8
(D811)	D-2
(D812)	D-3
(D946)	D-3
IC301	E-6
IC302	E-7
IC303	E-7
IC501	B-11
IC502	C-10
IC505	B-9
IC507	D-7
IC508	D-6
IC801	C-3
IC802	B-6
IC803	B-7
IC804	C-7
IC807	B-7
Q301	E-4
Q302	D-4
Q306	G-9
Q307	C-10
Q308	D-10
Q312	D-6
Q313	D-6
Q314	D-6
Q503	B-11
Q504	C-11
Q505	B-11
Q506	B-11
Q507	A-11
Q801	B-2
Q803	C-2
Q804	C-2
Q805	C-2
Q907	D-2

( ) : AEP, UK, Singapore, Malaysia model
< > : US, Canadian, Mexican model



4 4

3. PRINTED WIRING BOARD — MAIN (2/2) SECTION —



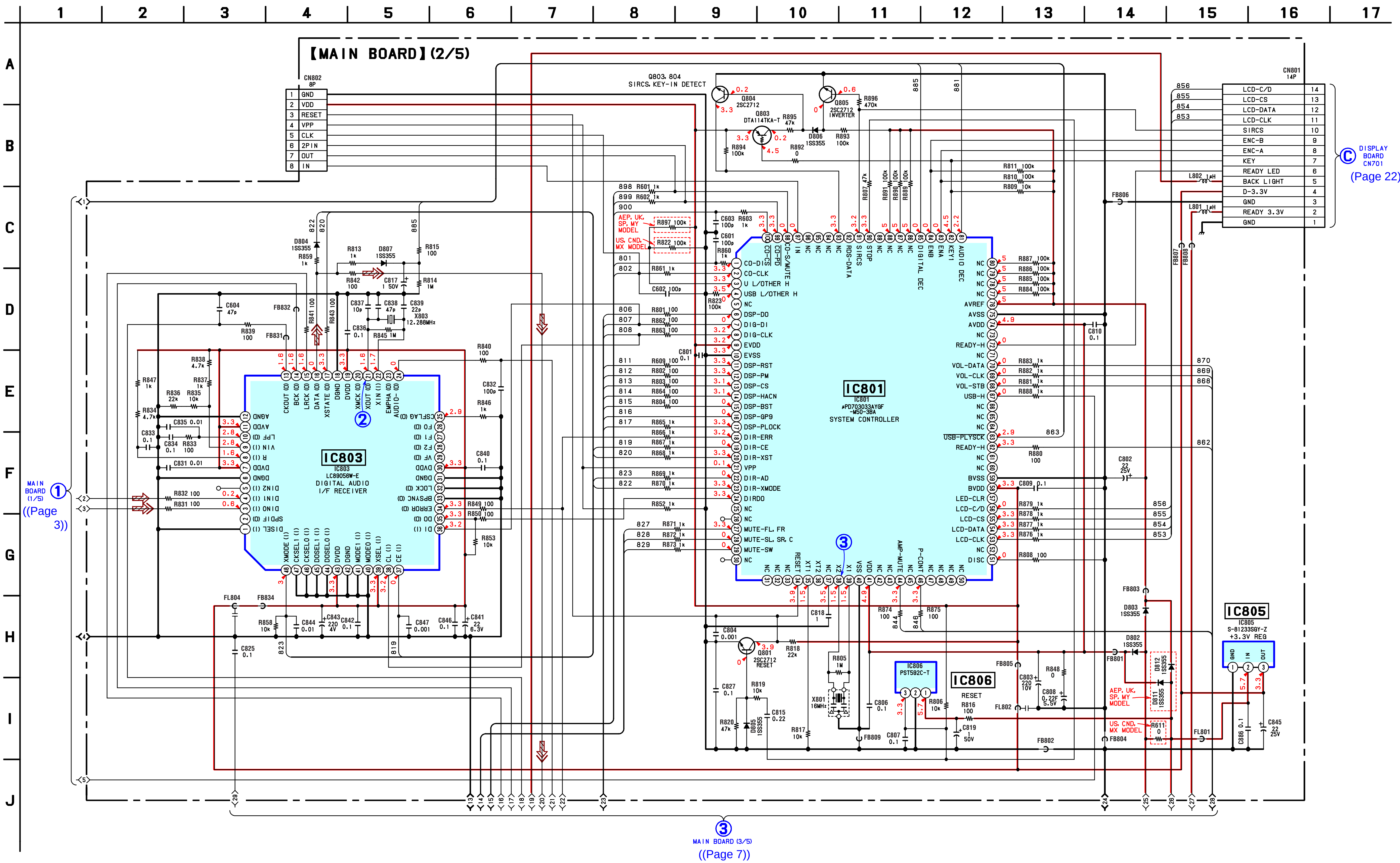
• Semiconductor Location (Conductor side)

Ref. No.	Location
D383	E-10
D385	F-11
D421	H-12
D422	H-12
D423	I-12
D424	I-12
D425	I-12
D426	I-12
D509	A-8
D510	B-7
D901	H-3
D902	H-5
D903	H-2
D904	H-3
D905	H-2
D906	H-2
D907	H-3
D908	H-3
D909	F-2
<D910>	E-2
D911	F-4
D913	D-3
<D914>	E-2
(D918)	G-8
(D941)	H-8
(D942)	H-8
(D943)	H-9
(D944)	H-9
(D945)	G-8
DZ501	B-11
IC304	E-9
IC305	G-9
IC306	F-9
IC307	D-9
IC308	C-9
IC381	D-10
IC382	F-10
IC506	B-10
IC805	A-3
IC806	B-2
IC808	A-4
IC901	I-3
IC902	E-2
<IC903>	E-2
IC904	I-11
IC905	D-3
IC906	D-5
(IC941)	G-7
PC901	G-2
Q303	H-9
Q304	G-9
Q305	G-10
Q309	E-10
Q310	E-10
Q311	E-10
Q321	F-9
Q322	F-9
Q323	F-9
Q324	F-9
Q325	D-9
Q326	D-9
Q421	I-11
Q422	I-11
Q501	C-10
Q502	C-10
Q901	H-3
<Q902>	F-2
Q904	D-4
Q905	D-4
<Q906>	F-2
Q908	D-2
<Q909>	D-3
<Q910>	D-4
(Q941)	G-8

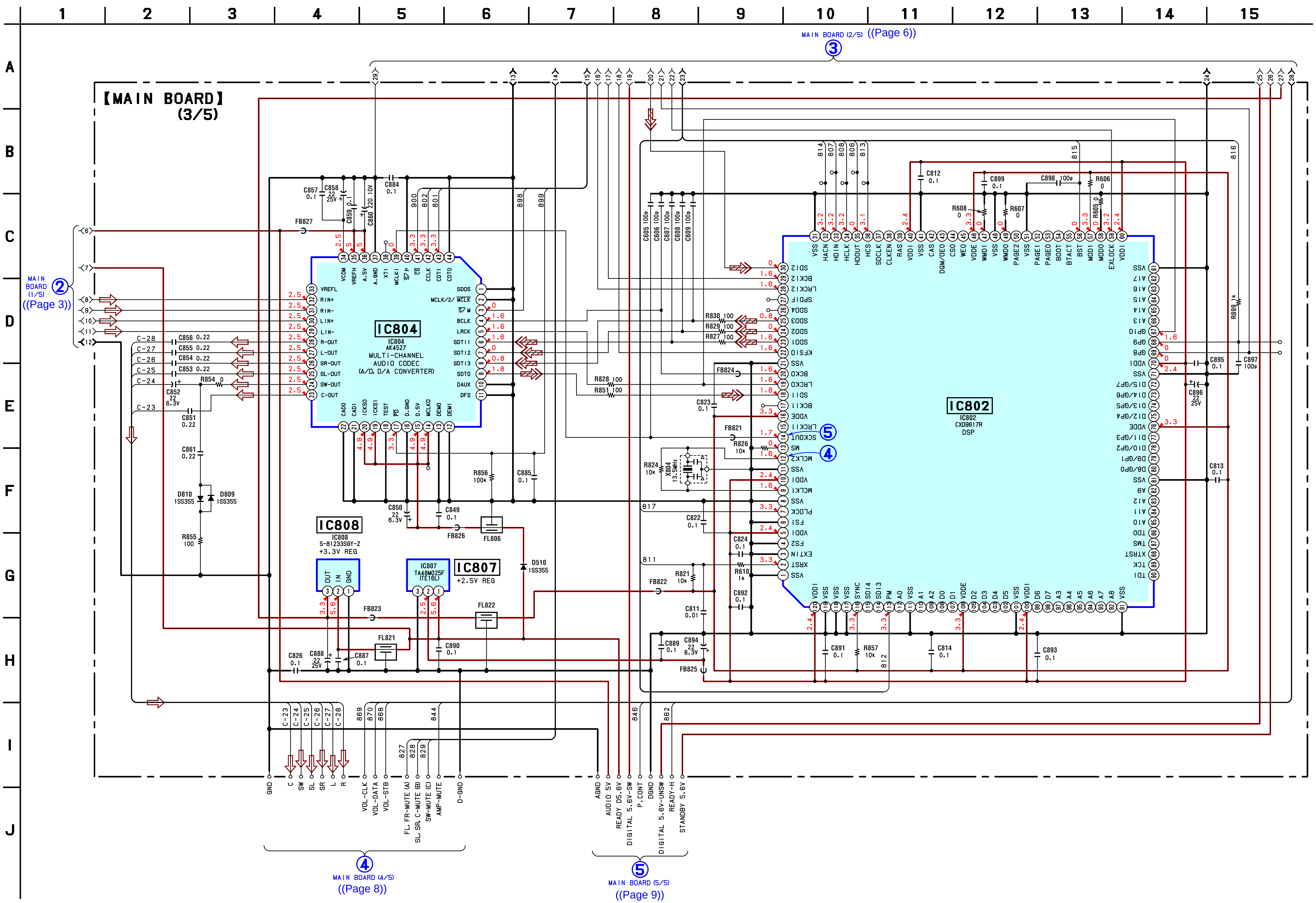
< > : US, Canadian, Mexican model
( ) : AEP, UK, Singapore, Malaysia model

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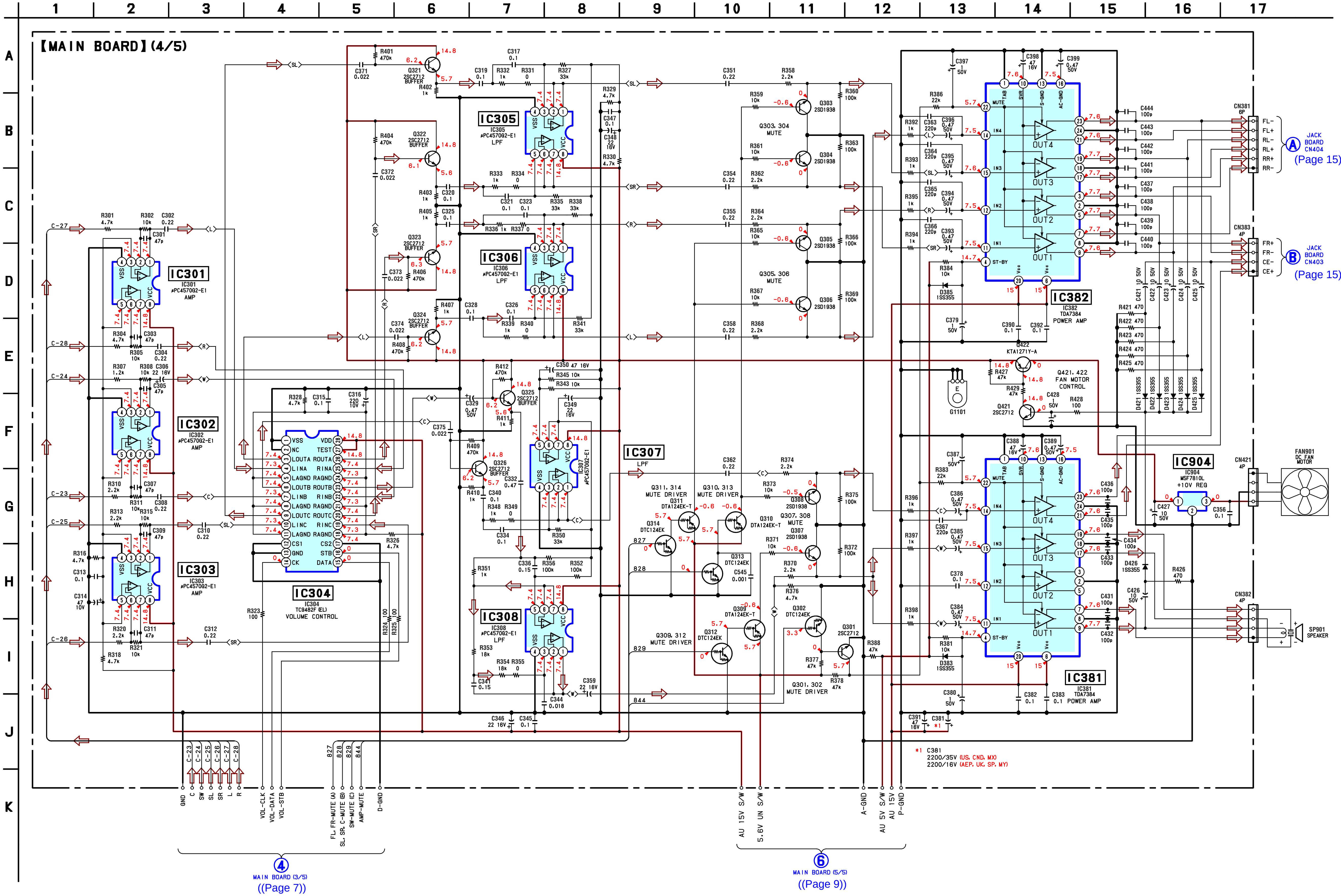
4. SCHEMATIC DIAGRAM — MAIN (2/5) SECTION —



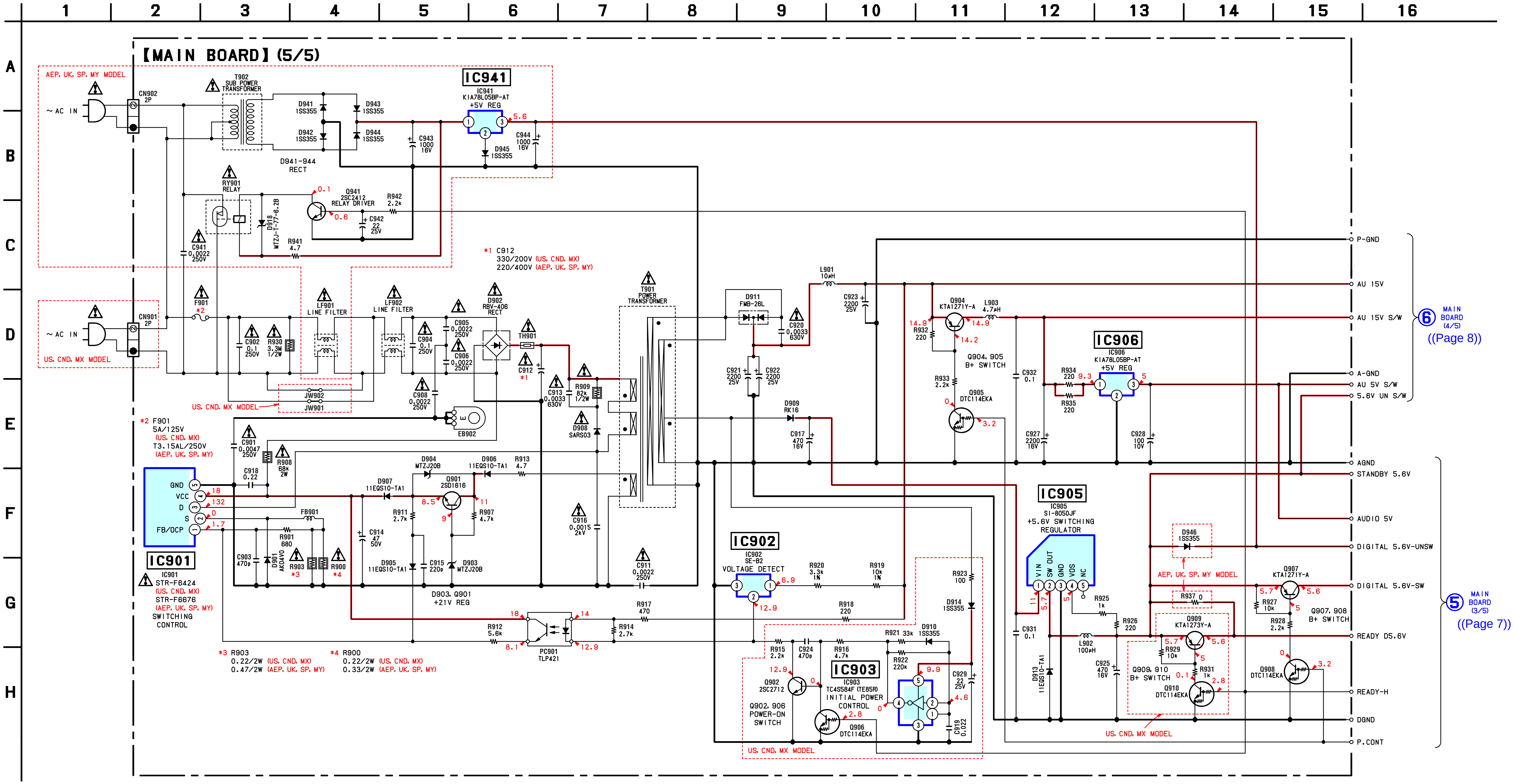
5. SCHEMATIC DIAGRAM — MAIN (3/5) SECTION —



6. SCHEMATIC DIAGRAM — MAIN (4/5) SECTION —



7. SCHEMATIC DIAGRAM — MAIN (5/5) SECTION —



((Page 8))

((Page 7))

8. ELECTRICAL PARTS LIST

MAIN

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Abbreviation
  CND : Canadian model
  MX : Mexican model
  SP : Singapore model
  MY : Malaysia model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA.. : μA.. uPA.. : μPA..
  uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-4728-814-A	MAIN BOARD, COMPLETE (US,CND,MX)			
	A-4728-816-A	MAIN BOARD, COMPLETE (AEP,UK,SP,MY)			
		*********************			
	1-533-313-11	HOLDER, FUSE			
		< CAPACITOR >			
C301	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C302	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C303	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C304	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C305	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C306	1-124-234-00	ELECT	22uF	20%	16V
C307	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C308	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C309	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C310	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C311	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C312	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C313	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C314	1-126-947-11	ELECT	47uF	20%	35V
C315	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C316	1-126-934-11	ELECT	220uF	20%	16V
C317	1-136-165-00	FILM	0.1uF	5%	50V
C319	1-136-165-00	FILM	0.1uF	5%	50V
C320	1-136-165-00	FILM	0.1uF	5%	50V
C321	1-136-165-00	FILM	0.1uF	5%	50V
C323	1-136-165-00	FILM	0.1uF	5%	50V
C325	1-136-165-00	FILM	0.1uF	5%	50V
C326	1-136-165-00	FILM	0.1uF	5%	50V
C328	1-136-165-00	FILM	0.1uF	5%	50V
C329	1-124-465-00	ELECT	0.47uF	20%	50V
C332	1-131-700-31	FILM	0.47uF	5%	50V
C334	1-136-165-00	FILM	0.1uF	5%	50V
C336	1-131-694-31	FILM	0.15uF	5%	50V
C340	1-136-165-00	FILM	0.1uF	5%	50V
C341	1-131-694-31	FILM	0.15uF	5%	50V
C344	1-104-509-11	CERAMIC CHIP	0.018uF	10%	16V
C345	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C346	1-124-234-00	ELECT	22uF	20%	16V
C347	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C348	1-124-234-00	ELECT	22uF	20%	16V
C349	1-124-234-00	ELECT	22uF	20%	16V
C350	1-126-947-11	ELECT	47uF	20%	35V
C351	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V

Ref. No.	Part No.	Description			Remark
C354	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C355	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C356	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C358	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C359	1-124-234-00	ELECT	22uF	20%	16V
C362	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C363	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C364	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C365	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C366	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C367	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C371	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C372	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C373	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C374	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C375	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C378	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C379	1-126-960-11	ELECT	1uF	20%	50V
C380	1-126-960-11	ELECT	1uF	20%	50V
C381	1-126-768-11	ELECT	2200uF	20%	16V (AEP,UK,SP,MY)
C381	1-126-953-11	ELECT	2200uF	20%	35V (US,CND,MX)
C382	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C383	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C384	1-124-465-00	ELECT	0.47uF	20%	50V
C385	1-124-465-00	ELECT	0.47uF	20%	50V
C386	1-124-465-00	ELECT	0.47uF	20%	50V
C387	1-126-960-11	ELECT	1uF	20%	50V
C388	1-126-947-11	ELECT	47uF	20%	35V
C389	1-124-465-00	ELECT	0.47uF	20%	50V
C390	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C391	1-126-947-11	ELECT	47uF	20%	35V
C392	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C393	1-124-465-00	ELECT	0.47uF	20%	50V
C394	1-124-465-00	ELECT	0.47uF	20%	50V
C395	1-124-465-00	ELECT	0.47uF	20%	50V
C396	1-124-465-00	ELECT	0.47uF	20%	50V
C397	1-126-960-11	ELECT	1uF	20%	50V
C398	1-126-947-11	ELECT	47uF	20%	35V
C399	1-124-465-00	ELECT	0.47uF	20%	50V
C421	1-126-964-11	ELECT	10uF	20%	50V
C422	1-126-964-11	ELECT	10uF	20%	50V
C423	1-126-964-11	ELECT	10uF	20%	50V
C424	1-126-964-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C425	1-126-964-11	ELECT	10uF	20%	50V
C426	1-126-964-11	ELECT	10uF	20%	50V
C427	1-126-964-11	ELECT	10uF	20%	50V
C428	1-126-960-11	ELECT	1uF	20%	50V
C431	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C432	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C433	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C434	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C435	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C436	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C437	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C439	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C440	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C441	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C442	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C443	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C444	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C501	1-126-964-11	ELECT	10uF	20%	50V
C502	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C503	1-126-964-11	ELECT	10uF	20%	50V
C504	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C505	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C507	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C508	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C509	1-126-964-11	ELECT	10uF	20%	50V
C510	1-126-964-11	ELECT	10uF	20%	50V
C511	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C512	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C513	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C514	1-126-964-11	ELECT	10uF	20%	50V
C515	1-126-964-11	ELECT	10uF	20%	50V
C517	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C518	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C519	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C520	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C521	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C522	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C523	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C524	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C525	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C526	1-126-964-11	ELECT	10uF	20%	50V
C527	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C528	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C529	1-126-960-11	ELECT	1uF	20%	50V
C530	1-126-960-11	ELECT	1uF	20%	50V
C531	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C532	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C533	1-126-153-11	ELECT	22uF	20%	6.3V
C534	1-126-960-11	ELECT	1uF	20%	50V
C535	1-126-964-11	ELECT	10uF	20%	50V
C536	1-126-947-11	ELECT	47uF	20%	35V
C537	1-126-153-11	ELECT	22uF	20%	6.3V
C538	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-126-964-11	ELECT	10uF	20%	50V
C542	1-164-360-11	CERAMIC CHIP	0.1uF		16V

Ref. No.	Part No.	Description			Remark
C543	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C544	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C545	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C558	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C601	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C603	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C604	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C605	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C608	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C609	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C801	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C802	1-104-662-11	ELECT	22uF	20%	25V
C803	1-126-923-11	ELECT	220uF	20%	10V
C804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C806	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C808	1-104-905-11	DOUBLE LAYERS	0.22F		5.5V
C809	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C810	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C811	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C812	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C813	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C814	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C815	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C817	1-126-960-11	ELECT	1uF	20%	50V
C818	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C819	1-126-960-11	ELECT	1uF	20%	50V
C822	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C823	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C824	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C825	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C826	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C827	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C831	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C832	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C833	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C834	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C835	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C836	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C837	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C838	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C839	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C840	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C841	1-126-153-11	ELECT	22uF	20%	6.3V
C842	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C843	1-124-434-00	ELECT	220uF	20%	4V
C844	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C845	1-104-662-11	ELECT	22uF	20%	25V
C846	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C847	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C849	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C850	1-126-153-11	ELECT	22uF	20%	6.3V
C851	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C852	1-126-153-11	ELECT	22uF	20%	6.3V
C853	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V

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Ref. No.	Part No.	Description			Remark
C854	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C855	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C856	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C857	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C858	1-104-662-11	ELECT	22uF	20%	25V
C859	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C860	1-126-923-11	ELECT	220uF	20%	10V
C861	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C882	1-126-153-11	ELECT	22uF	20%	6.3V
C884	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C885	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C886	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C887	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C888	1-104-662-11	ELECT	22uF	20%	25V
C889	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C890	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C891	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C892	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C893	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C894	1-126-153-11	ELECT	22uF	20%	6.3V
C895	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C896	1-104-662-11	ELECT	22uF	20%	25V
C897	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C898	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C899	1-164-360-11	CERAMIC CHIP	0.1uF		16V
⚠C901	1-117-703-11	CERAMIC	0.0047uF		250V
⚠C902	1-104-705-51	MYLAR	0.1uF	20%	250V
C903	1-162-290-31	CERAMIC	470PF	10%	50V
⚠C904	1-104-705-51	MYLAR	0.1uF	20%	250V
⚠C905	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C906	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C908	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C911	1-113-907-51	CERAMIC	0.0022uF	20%	250V
⚠C912	1-115-586-11	ELECT(BLOCK)	220uF	20%	400V (AEP,UK,SP,MY)
⚠C912	1-125-708-11	ELECT(BLOCK)	330uF	20%	200V (US,CND,MX)
⚠C913	1-117-452-11	FILM	0.0033uF	5%	630V
C914	1-126-967-11	ELECT	47uF	20%	50V
C915	1-162-286-21	CERAMIC	220PF	10%	50V
⚠C916	1-125-772-51	CERAMIC	0.0015uF	10%	2KV
C917	1-126-935-11	ELECT	470uF	20%	16V
C918	1-115-340-11	CERAMIC	0.22uF	10%	25V
C919	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (US,CND,MX)
⚠C920	1-117-452-11	FILM	0.0033uF	5%	630V
C921	1-115-792-11	ELECT	2200uF	20%	25V
C922	1-115-792-11	ELECT	2200uF	20%	25V
C923	1-115-792-11	ELECT	2200uF	20%	25V
C924	1-162-962-11	CERAMIC CHIP	470PF	10%	50V (US,CND,MX)
C925	1-126-935-11	ELECT	470uF	20%	16V
C927	1-126-768-11	ELECT	2200uF	20%	16V
C928	1-104-658-11	ELECT	100uF	20%	10V
C929	1-104-662-11	ELECT	22uF	20%	25V (US,CND,MX)
C931	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C932	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
⚠C941	1-113-907-51	CERAMIC	0.0022uF	20%	250V (AEP,UK,SP,MY)
C942	1-104-662-11	ELECT	22uF	20%	25V (AEP,UK,SP,MY)
C943	1-126-767-11	ELECT	1000uF	20%	16V (AEP,UK,SP,MY)
C944	1-126-767-11	ELECT	1000uF	20%	16V (AEP,UK,SP,MY)

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
* CN301	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P	
* CN381	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P	
* CN382	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
* CN383	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
* CN421	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	
CN801	1-784-775-11	CONNECTOR, FFC 14P	
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	(US,CND,MX)
CN902	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	(AEP,UK,SP,MY)

< DIODE >

Ref. No.	Part No.	Description		Remark
D383	8-719-988-61	DIODE	1SS355TE-17	
D385	8-719-988-61	DIODE	1SS355TE-17	
D421	8-719-988-61	DIODE	1SS355TE-17	
D422	8-719-988-61	DIODE	1SS355TE-17	
D423	8-719-988-61	DIODE	1SS355TE-17	
D424	8-719-988-61	DIODE	1SS355TE-17	
D425	8-719-988-61	DIODE	1SS355TE-17	
D426	8-719-988-61	DIODE	1SS355TE-17	
D504	8-719-988-61	DIODE	1SS355TE-17	
D506	8-719-988-61	DIODE	1SS355TE-17	
D507	8-719-988-61	DIODE	1SS355TE-17	
D509	8-719-988-61	DIODE	1SS355TE-17	
D510	8-719-988-61	DIODE	1SS355TE-17	
D802	8-719-988-61	DIODE	1SS355TE-17	
D803	8-719-988-61	DIODE	1SS355TE-17	
D804	8-719-988-61	DIODE	1SS355TE-17	
D805	8-719-988-61	DIODE	1SS355TE-17	
D806	8-719-988-61	DIODE	1SS355TE-17	
D807	8-719-988-61	DIODE	1SS355TE-17	
D809	8-719-988-61	DIODE	1SS355TE-17	
D810	8-719-988-61	DIODE	1SS355TE-17	
D811	8-719-988-61	DIODE	1SS355TE-17	(AEP,UK,SP,MY)
D812	8-719-988-61	DIODE	1SS355TE-17	(AEP,UK,SP,MY)
D901	8-719-043-76	DIODE	AK04V0	
⚠D902	8-719-084-58	DIODE	RBV-406	
D903	8-719-110-53	DIODE	RD20ESB2	
D904	8-719-110-53	DIODE	RD20ESB2	
D905	8-719-200-91	DIODE	11EQS10	
D906	8-719-200-91	DIODE	11EQS10	
D907	8-719-200-91	DIODE	11EQS10	
⚠D908	6-500-241-01	DIODE	SARS03	
D909	6-500-258-01	DIODE	RK16	
D910	8-719-988-61	DIODE	1SS355TE-17	(US,CND,MX)
D911	8-719-080-05	DIODE	FMB-26L	
D913	8-719-200-91	DIODE	11EQS10	
D914	8-719-988-61	DIODE	1SS355TE-17	(US,CND,MX)
D918	8-719-109-93	DIODE	RD6.2ESB2	(AEP,UK,SP,MY)

MAIN

Ref. No.	Part No.	Description	Remark
D941	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,SP,MY)	
D942	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,SP,MY)	
D943	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,SP,MY)	
D944	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,SP,MY)	
D945	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,SP,MY)	
D946	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,SP,MY)	
DZ501	8-719-109-66	DIODE RD3.3ESB2	
		< GROUND TERMINAL >	
EB902	1-537-770-21	TERMINAL BOARD, GROUND	
		< FERRITE BEAD >	
FB501	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB502	1-216-864-11	SHORT CHIP 0	
FB503	1-216-864-11	SHORT CHIP 0	
FB504	1-216-864-11	SHORT CHIP 0	
FB505	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB506	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB507	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB508	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB510	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB801	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB802	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB803	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB804	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB805	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB806	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB807	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB808	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB809	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB821	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB822	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB823	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB824	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB825	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB826	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB827	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB828	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB829	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB831	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB832	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB834	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FB901	1-412-473-21	INDUCTOR (SMALL TYPE)	
		< FILTER >	
FL801	1-469-681-21	FERRITE, EMI (SMD) (1608)	
FL802	1-234-177-21	FILTER, CHIP EMI	
FL804	1-234-177-21	FILTER, CHIP EMI	
FL806	1-234-177-21	FILTER, CHIP EMI	
FL807	1-234-177-21	FILTER, CHIP EMI	
FL821	1-234-177-21	FILTER, CHIP EMI	
FL822	1-234-177-21	FILTER, CHIP EMI	
FL829	1-234-177-21	FILTER, CHIP EMI	
		< IC >	
IC301	8-759-106-02	IC uPC4570G2	
IC302	8-759-106-02	IC uPC4570G2	
IC303	8-759-106-02	IC uPC4570G2	
IC304	8-759-658-33	IC TC9482F(EL)	
IC305	8-759-106-02	IC uPC4570G2	
IC306	8-759-106-02	IC uPC4570G2	
IC307	8-759-106-02	IC uPC4570G2	
IC308	8-759-106-02	IC uPC4570G2	
IC381	8-759-490-74	IC TDA7384	
IC382	8-759-490-74	IC TDA7384	
IC501	8-759-713-24	IC PCM2702E/2K	
IC502	8-759-008-67	IC MC14066BF	
IC505	8-759-106-02	IC uPC4570G2	
IC506	8-759-106-02	IC uPC4570G2	
IC507	8-759-106-02	IC uPC4570G2	
IC508	8-759-106-02	IC uPC4570G2	
IC801	6-801-523-01	IC uPD703033AYGF-M50-3BA	
IC802	8-759-698-76	IC CXD9617R	
IC803	8-759-825-15	IC LC89056W-E	
IC804	8-759-657-47	IC AK4527	
IC805	6-706-525-01	IC S-812C33AY-Z-G	
IC806	8-759-637-58	IC PST592C-T	
IC807	8-759-637-50	IC TA48M025F(TE16L)	
IC808	6-706-525-01	IC S-812C33AY-Z-G	
⚠IC901	8-749-017-79	IC STR-F6676 (AEP,UK,SP,MY)	
⚠IC901	8-749-018-45	IC STR-F6424 (US,CND,MX)	
IC902	6-700-388-01	IC SE-B2	
IC903	8-759-390-72	IC TC4S584F(TE85R) (US,CND,MX)	
IC904	8-759-604-32	IC M5F7810L	
IC905	6-700-812-01	IC SI-8050JF	
IC906	8-759-683-11	IC KIA78L05BP-AT	
IC941	8-759-683-11	IC KIA78L05BP-AT (AEP,UK,SP,MY)	
		< COIL >	
L501	1-412-002-31	INDUCTOR 4.7uH	
L504	1-412-002-31	INDUCTOR 4.7uH	
L801	1-410-993-42	INDUCTOR 1uH	
L802	1-410-993-42	INDUCTOR 1uH	
L901	1-424-860-11	INDUCTOR 10uH	
L902	1-419-253-11	INDUCTOR 100uH	
L903	1-408-599-31	INDUCTOR 4.7uH	
		< LINE FILTER >	
⚠LF901	1-424-930-11	COIL, LINE FILTER (AEP,UK,SP,MY)	
⚠LF902	1-424-930-11	COIL, LINE FILTER	
		< PHOTO COUPLER >	
PC901	8-749-019-04	PHOTO COUPLER TLP421	
		< TRANSISTOR >	
Q301	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q302	8-729-901-00	TRANSISTOR DTC124EK	
Q303	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q304	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q305	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q306	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q307	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q308	8-729-046-97	TRANSISTOR 2SD1938(F)-T(TX).SO	
Q309	8-729-027-31	TRANSISTOR DTA124EKA-T146	
Q310	8-729-027-31	TRANSISTOR DTA124EKA-T146	

Ref. No.	Part No.	Description				Remark
Q311	8-729-027-31	TRANSISTOR	DTA124EKA-T146			
Q312	8-729-901-00	TRANSISTOR	DTC124EK			
Q313	8-729-901-00	TRANSISTOR	DTC124EK			
Q314	8-729-901-00	TRANSISTOR	DTC124EK			
Q321	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q322	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q323	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q324	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q325	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q326	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q421	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q422	8-729-037-13	TRANSISTOR	KTA1271Y			
Q501	8-729-901-00	TRANSISTOR	DTC124EK			
Q502	8-729-027-31	TRANSISTOR	DTA124EKA-T146			
Q503	8-729-901-00	TRANSISTOR	DTC124EK			
Q504	8-729-901-00	TRANSISTOR	DTC124EK			
Q505	8-729-027-31	TRANSISTOR	DTA124EKA-T146			
Q506	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q507	8-729-027-44	TRANSISTOR	DTC114TKA-T146			
Q801	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q803	8-729-027-24	TRANSISTOR	DTA114TKA-T146			
Q804	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q805	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
Q901	8-729-142-51	TRANSISTOR	2SD1616A-TP-LK			
Q902	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			(US,CND,MX)
Q904	8-729-037-13	TRANSISTOR	KTA1271Y			
Q905	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q906	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (US,CND,MX)			
Q907	8-729-037-13	TRANSISTOR	KTA1271Y			
Q908	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q909	8-729-040-76	TRANSISTOR	KTA1273-Y-AT (US,CND,MX)			
Q910	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (US,CND,MX)			
Q941	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			(AEP,UK,SP,MY)
		< RESISTOR >				
R301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R302	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R304	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R305	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R307	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R308	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R310	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R313	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R315	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R316	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R320	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R321	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R323	1-216-809-11	METAL CHIP	100	5%	1/10W	
R324	1-216-809-11	METAL CHIP	100	5%	1/10W	
R325	1-216-809-11	METAL CHIP	100	5%	1/10W	
R326	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R327	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R328	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R329	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

Ref. No.	Part No.	Description			Remark
R330	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R331	1-216-864-11	SHORT CHIP	0		
R332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R333	1-216-821-11	METAL CHIP	1K	5%	1/10W
R334	1-216-864-11	SHORT CHIP	0		
R335	1-216-839-11	METAL CHIP	33K	5%	1/10W
R336	1-216-821-11	METAL CHIP	1K	5%	1/10W
R337	1-216-864-11	SHORT CHIP	0		
R338	1-216-839-11	METAL CHIP	33K	5%	1/10W
R339	1-216-821-11	METAL CHIP	1K	5%	1/10W
R340	1-216-864-11	SHORT CHIP	0		
R341	1-216-839-11	METAL CHIP	33K	5%	1/10W
R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R345	1-216-833-11	METAL CHIP	10K	5%	1/10W
R348	1-216-821-11	METAL CHIP	1K	5%	1/10W
R349	1-216-864-11	SHORT CHIP	0		
R350	1-216-839-11	METAL CHIP	33K	5%	1/10W
R351	1-216-821-11	METAL CHIP	1K	5%	1/10W
R352	1-216-845-11	METAL CHIP	100K	5%	1/10W
R353	1-216-836-11	METAL CHIP	18K	5%	1/10W
R354	1-216-836-11	METAL CHIP	18K	5%	1/10W
R355	1-216-864-11	SHORT CHIP	0		
R356	1-216-845-11	METAL CHIP	100K	5%	1/10W
R358	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R360	1-216-845-11	METAL CHIP	100K	5%	1/10W
R361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R362	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R363	1-216-845-11	METAL CHIP	100K	5%	1/10W
R364	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R366	1-216-845-11	METAL CHIP	100K	5%	1/10W
R367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R368	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R369	1-216-845-11	METAL CHIP	100K	5%	1/10W
R370	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R372	1-216-845-11	METAL CHIP	100K	5%	1/10W
R373	1-216-833-11	METAL CHIP	10K	5%	1/10W
R374	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R375	1-216-845-11	METAL CHIP	100K	5%	1/10W
R376	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R377	1-216-841-11	METAL CHIP	47K	5%	1/10W
R378	1-216-841-11	METAL CHIP	47K	5%	1/10W
R381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R383	1-216-837-11	METAL CHIP	22K	5%	1/10W
R384	1-216-833-11	METAL CHIP	10K	5%	1/10W
R386	1-216-837-11	METAL CHIP	22K	5%	1/10W
R388	1-216-841-11	METAL CHIP	47K	5%	1/10W
R392	1-216-821-11	METAL CHIP	1K	5%	1/10W
R393	1-216-821-11	METAL CHIP	1K	5%	1/10W
R394	1-216-821-11	METAL CHIP	1K	5%	1/10W
R395	1-216-821-11	METAL CHIP	1K	5%	1/10W
R396	1-216-821-11	METAL CHIP	1K	5%	1/10W
R397	1-216-821-11	METAL CHIP	1K	5%	1/10W
R398	1-216-821-11	METAL CHIP	1K	5%	1/10W
R401	1-216-853-11	METAL CHIP	470K	5%	1/10W
R402	1-216-821-11	METAL CHIP	1K	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W
R404	1-216-853-11	METAL CHIP	470K	5%	1/10W
R405	1-216-821-11	METAL CHIP	1K	5%	1/10W
R406	1-216-853-11	METAL CHIP	470K	5%	1/10W
R407	1-216-821-11	METAL CHIP	1K	5%	1/10W
R408	1-216-853-11	METAL CHIP	470K	5%	1/10W
R409	1-216-853-11	METAL CHIP	470K	5%	1/10W
R410	1-216-821-11	METAL CHIP	1K	5%	1/10W
R411	1-216-821-11	METAL CHIP	1K	5%	1/10W
R412	1-216-853-11	METAL CHIP	470K	5%	1/10W
R421	1-216-817-11	METAL CHIP	470	5%	1/10W
R422	1-216-817-11	METAL CHIP	470	5%	1/10W
R423	1-216-817-11	METAL CHIP	470	5%	1/10W
R424	1-216-817-11	METAL CHIP	470	5%	1/10W
R425	1-216-817-11	METAL CHIP	470	5%	1/10W
R426	1-216-817-11	METAL CHIP	470	5%	1/10W
R427	1-216-841-11	METAL CHIP	47K	5%	1/10W
R428	1-216-809-11	METAL CHIP	100	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W
R501	1-216-809-11	METAL CHIP	100	5%	1/10W
R502	1-216-857-11	METAL CHIP	1M	5%	1/10W
R503	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R504	1-216-821-11	METAL CHIP	1K	5%	1/10W
R505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R506	1-216-833-11	METAL CHIP	10K	5%	1/10W
R507	1-216-809-11	METAL CHIP	100	5%	1/10W
R508	1-216-809-11	METAL CHIP	100	5%	1/10W
R509	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R511	1-216-841-11	METAL CHIP	47K	5%	1/10W
R512	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R514	1-216-841-11	METAL CHIP	47K	5%	1/10W
R515	1-216-801-11	METAL CHIP	22	5%	1/10W
R516	1-216-801-11	METAL CHIP	22	5%	1/10W
R517	1-216-801-11	METAL CHIP	22	5%	1/10W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R520	1-216-833-11	METAL CHIP	10K	5%	1/10W
R521	1-216-851-11	METAL CHIP	330K	5%	1/10W
R522	1-216-851-11	METAL CHIP	330K	5%	1/10W
R523	1-216-833-11	METAL CHIP	10K	5%	1/10W
R524	1-216-849-11	METAL CHIP	220K	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-833-11	METAL CHIP	10K	5%	1/10W
R527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R528	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R529	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R530	1-216-833-11	METAL CHIP	10K	5%	1/10W
R531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R532	1-216-813-11	METAL CHIP	220	5%	1/10W
R533	1-216-809-11	METAL CHIP	100	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-813-11	METAL CHIP	220	5%	1/10W
R537	1-216-809-11	METAL CHIP	100	5%	1/10W
R538	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R541	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R542	1-216-809-11	METAL CHIP	100	5%	1/10W
R543	1-216-813-11	METAL CHIP	220	5%	1/10W
R544	1-216-833-11	METAL CHIP	10K	5%	1/10W
R545	1-216-809-11	METAL CHIP	100	5%	1/10W
R546	1-216-813-11	METAL CHIP	220	5%	1/10W
R547	1-216-833-11	METAL CHIP	10K	5%	1/10W
R548	1-216-833-11	METAL CHIP	10K	5%	1/10W
R549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R556	1-216-849-11	METAL CHIP	220K	5%	1/10W
R559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-821-11	METAL CHIP	1K	5%	1/10W
R603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R605	1-216-864-11	SHORT CHIP	0		
R606	1-216-864-11	SHORT CHIP	0		
R607	1-216-864-11	SHORT CHIP	0		
R608	1-216-864-11	SHORT CHIP	0		
R609	1-216-809-11	METAL CHIP	100	5%	1/10W
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R611	1-216-864-11	SHORT CHIP	0 (US,CND,MX)		
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R803	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-216-857-11	METAL CHIP	1M	5%	1/10W
R806	1-216-833-11	METAL CHIP	10K	5%	1/10W
R807	1-216-841-11	METAL CHIP	47K	5%	1/10W
R808	1-216-809-11	METAL CHIP	100	5%	1/10W
R809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-216-845-11	METAL CHIP	100K	5%	1/10W
R811	1-216-845-11	METAL CHIP	100K	5%	1/10W
R813	1-216-821-11	METAL CHIP	1K	5%	1/10W
R814	1-216-857-11	METAL CHIP	1M	5%	1/10W
R815	1-216-809-11	METAL CHIP	100	5%	1/10W
R816	1-216-809-11	METAL CHIP	100	5%	1/10W
R817	1-216-833-11	METAL CHIP	10K	5%	1/10W
R818	1-216-837-11	METAL CHIP	22K	5%	1/10W
R819	1-216-833-11	METAL CHIP	10K	5%	1/10W
R820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R821	1-216-833-11	METAL CHIP	10K	5%	1/10W
R822	1-216-845-11	METAL CHIP	100K	5%	1/10W (US,CND,MX)
R823	1-216-845-11	METAL CHIP	100K	5%	1/10W
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W
R826	1-216-833-11	METAL CHIP	10K	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R830	1-216-809-11	METAL CHIP	100	5%	1/10W
R831	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-809-11	METAL CHIP	100	5%	1/10W
R833	1-216-809-11	METAL CHIP	100	5%	1/10W
R834	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R835	1-216-833-11	METAL CHIP	10K	5%	1/10W
R836	1-216-837-11	METAL CHIP	22K	5%	1/10W
R837	1-216-821-11	METAL CHIP	1K	5%	1/10W
R838	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R839	1-216-809-11	METAL CHIP	100	5%	1/10W
R840	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-216-809-11	METAL CHIP	100	5%	1/10W
R842	1-216-809-11	METAL CHIP	100	5%	1/10W
R843	1-216-809-11	METAL CHIP	100	5%	1/10W
R845	1-216-857-11	METAL CHIP	1M	5%	1/10W
R846	1-216-821-11	METAL CHIP	1K	5%	1/10W
R847	1-216-821-11	METAL CHIP	1K	5%	1/10W
R848	1-216-864-11	SHORT CHIP	0		
R849	1-216-809-11	METAL CHIP	100	5%	1/10W
R850	1-216-809-11	METAL CHIP	100	5%	1/10W
R851	1-216-809-11	METAL CHIP	100	5%	1/10W
R852	1-216-821-11	METAL CHIP	1K	5%	1/10W
R853	1-216-833-11	METAL CHIP	10K	5%	1/10W
R854	1-216-864-11	SHORT CHIP	0		
R855	1-216-809-11	METAL CHIP	100	5%	1/10W
R856	1-216-845-11	METAL CHIP	100K	5%	1/10W
R857	1-216-833-11	METAL CHIP	10K	5%	1/10W
R858	1-216-833-11	METAL CHIP	10K	5%	1/10W
R859	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R861	1-216-821-11	METAL CHIP	1K	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R863	1-216-809-11	METAL CHIP	100	5%	1/10W
R864	1-216-809-11	METAL CHIP	100	5%	1/10W
R865	1-216-821-11	METAL CHIP	1K	5%	1/10W
R866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R868	1-216-821-11	METAL CHIP	1K	5%	1/10W
R869	1-216-821-11	METAL CHIP	1K	5%	1/10W
R870	1-216-821-11	METAL CHIP	1K	5%	1/10W
R871	1-216-821-11	METAL CHIP	1K	5%	1/10W
R872	1-216-821-11	METAL CHIP	1K	5%	1/10W
R873	1-216-821-11	METAL CHIP	1K	5%	1/10W
R874	1-216-809-11	METAL CHIP	100	5%	1/10W
R875	1-216-809-11	METAL CHIP	100	5%	1/10W
R876	1-216-821-11	METAL CHIP	1K	5%	1/10W
R877	1-216-821-11	METAL CHIP	1K	5%	1/10W
R878	1-216-821-11	METAL CHIP	1K	5%	1/10W
R879	1-216-821-11	METAL CHIP	1K	5%	1/10W
R880	1-216-809-11	METAL CHIP	100	5%	1/10W
R881	1-216-821-11	METAL CHIP	1K	5%	1/10W
R882	1-216-821-11	METAL CHIP	1K	5%	1/10W
R883	1-216-821-11	METAL CHIP	1K	5%	1/10W
R884	1-216-845-11	METAL CHIP	100K	5%	1/10W
R885	1-216-845-11	METAL CHIP	100K	5%	1/10W
R886	1-216-845-11	METAL CHIP	100K	5%	1/10W
R887	1-216-845-11	METAL CHIP	100K	5%	1/10W
R888	1-216-821-11	METAL CHIP	1K	5%	1/10W
R889	1-216-845-11	METAL CHIP	100K	5%	1/10W
R890	1-216-845-11	METAL CHIP	100K	5%	1/10W
R891	1-216-845-11	METAL CHIP	100K	5%	1/10W
R892	1-216-864-11	SHORT CHIP	0		
R893	1-216-845-11	METAL CHIP	100K	5%	1/10W
R894	1-216-845-11	METAL CHIP	100K	5%	1/10W
R895	1-216-841-11	METAL CHIP	47K	5%	1/10W
R896	1-216-853-11	METAL CHIP	470K	5%	1/10W

Ref. No.	Part No.	Description				Remark
R897	1-216-845-11	METAL CHIP	100K	5%	1/10W	
						(AEP,UK,SP,MY)
R899	1-216-821-11	METAL CHIP	1K	5%	1/10W	
⚠R900	1-216-361-61	METAL OXIDE	0.22	5%	2W	F
						(US,CND,MX)
⚠R900	1-216-363-00	METAL OXIDE	0.33	5%	2W	F
						(AEP,UK,SP,MY)
R901	1-249-415-11	CARBON	680	5%	1/4W	
⚠R903	1-216-361-61	METAL OXIDE	0.22	5%	2W	F
						(US,CND,MX)
⚠R903	1-216-365-00	METAL OXIDE	0.47	5%	2W	F
						(AEP,UK,SP,MY)
R907	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R908	1-215-903-11	METAL OXIDE	68K	5%	2W	F
⚠R909	1-202-837-00	SOLID	82K	10%	1/2W	F
R911	1-249-422-11	CARBON	2.7K	5%	1/4W	
R912	1-249-426-11	CARBON	5.6K	5%	1/4W	
R913	1-249-389-11	CARBON	4.7	5%	1/4W	
R914	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
R915	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
						(US,CND,MX)
R916	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
						(US,CND,MX)
R917	1-249-413-11	CARBON	470	5%	1/4W	
R918	1-249-409-11	CARBON	220	5%	1/4W	
R919	1-215-445-00	METAL	10K	1%	1/4W	
R920	1-215-433-00	METAL	3.3K	1%	1/4W	
R921	1-216-839-11	METAL CHIP	33K	5%	1/10W	
						(US,CND,MX)
R922	1-216-849-11	METAL CHIP	220K	5%	1/10W	
						(US,CND,MX)
R923	1-247-807-31	CARBON	100	5%	1/4W	
						(US,CND,MX)
R925	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R926	1-216-813-11	METAL CHIP	220	5%	1/10W	
R927	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R928	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R929	1-216-833-11	METAL CHIP	10K	5%	1/10W	
						(US,CND,MX)
⚠R930	1-219-237-11	SOLID	3.3M	20%	1/2W	F
R931	1-216-821-11	METAL CHIP	1K	5%	1/10W	
						(US,CND,MX)
R932	1-216-813-11	METAL CHIP	220	5%	1/10W	
R933	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R934	1-249-409-11	CARBON	220	5%	1/4W	
R935	1-249-409-11	CARBON	220	5%	1/4W	
R937	1-216-864-11	SHORT CHIP	0 (AEP,UK,SP,MY)			
R941	1-216-793-11	METAL CHIP	4.7	5%	1/10W	
						(AEP,UK,SP,MY)
R942	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
						(AEP,UK,SP,MY)
		< RELAY >				
⚠RY901	1-755-332-11	RELAY (AEP,UK,SP,MY)				
		< TRANSFORMER >				
⚠T901	1-437-732-11	TRANSFORMER, POWER (US,CND,MX)				
⚠T901	1-437-733-11	TRANSFORMER, POWER (AEP,UK,SP,MY)				
⚠T902	1-437-251-11	TRANSFORMER, POWER (AEP,UK,SP,MY)				

MAIN

Ref. No.	Part No.	Description	Remark
		< THERMISTOR >	
⚠TH901	1-803-806-31	THERMISTOR, NTC	
		< VIBRATOR >	
X501	1-567-865-11	VIBRATOR, CRYSTAL (12MHz)	
X801	1-767-922-11	VIBRATOR, CERAMIC (16MHz)	
X803	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)	
X804	1-795-363-21	VIBRATOR, CERAMIC (13.5MHz)	

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REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2002. 05	New
1.1	2002. 11	Addition of BOLT FIX (Ref. No. 17) (SPM-02106)
1.2	2003. 08	Part number correction of Ref. No. 55. (SPM-03068)
1.3	2005. 05	Part number change of the MAIN BOARD, COMPLETE. Change the MAIN BOARD of SA-WBE1. (SPM-05024, ECN-TAC12483)